

# Panasonic

Compact Plain Paper Fax with Copier

## Operating Instructions

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Model No. **KX-FP343AL**

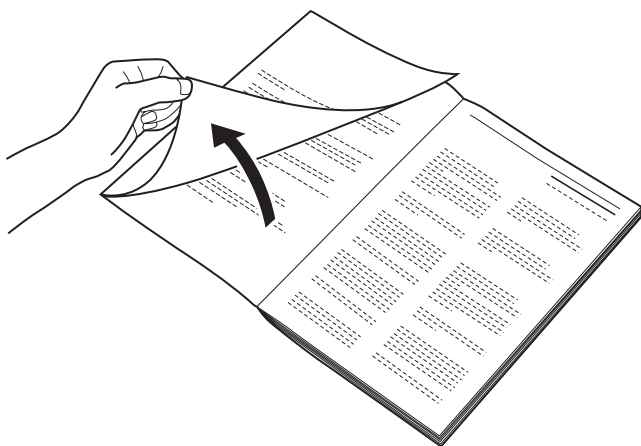


Please read these Operating Instructions before using the unit and save for future reference.

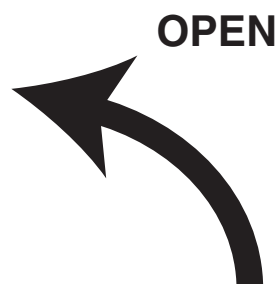
**This model is designed to be used only in Australia.**

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## How to use the operating instructions

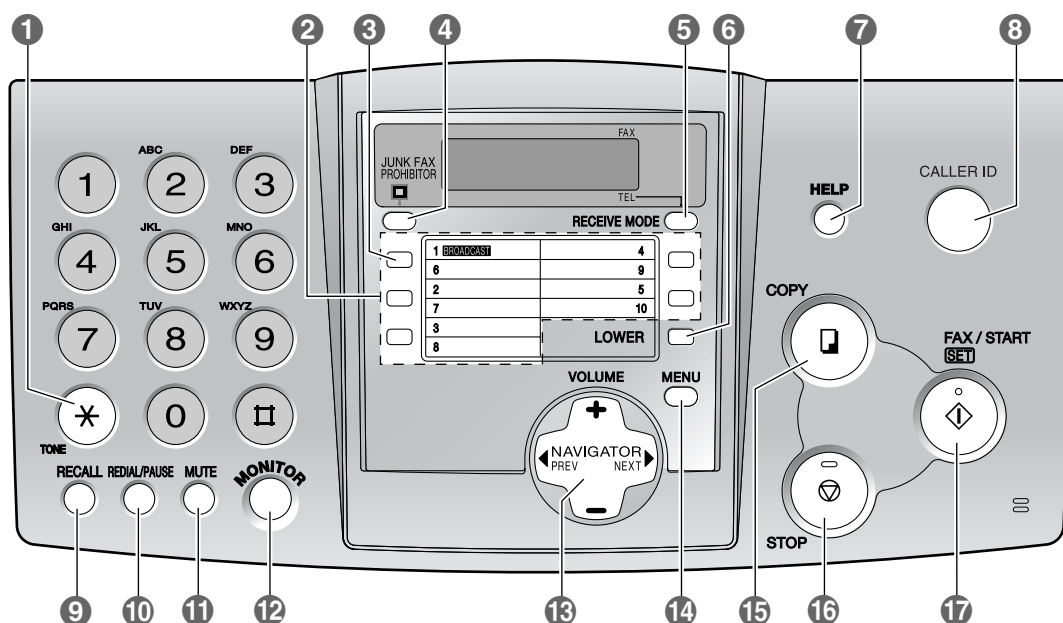


When following operating instructions, always keep the front cover page (next page) open so that you will find easy reference to the buttons.



## Location of controls

Please keep this page open when following operating instructions. For a description of each button, see page 10.



### Keys (Listed in alphabetical order)

BROADCAST 3

CALLER ID 8

COPY 15

FAX/START 17

HELP 7

JUNK FAX PROHIBITOR 4

LOWER 6

MENU 14

MONITOR 12

MUTE 11

NAVIGATOR 13

One-touch keys 2

RECALL 9

RECEIVE MODE 5

REDIAL/PAUSE 10

SET 17

START 17

STOP 16

TONE 1

VOLUME 13

Thank you for purchasing a Panasonic fax machine.

## Things you should keep a record of

Attach your sales receipt here.

## For your future reference

Date of purchase

Serial number (found on the rear of the unit)

Dealer's name and address

Dealer's telephone number

**Caution:**

- Note that the images of copied or received documents will remain on the used ink film. Use discretion when disposing of the used ink film.
- Do not rub or use an eraser on the printed side of recording paper, as the print may smear.
- This model is designed for the Australian network.

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**Warning:**

- Please ensure that a separate telephone, not dependent on local power, is available for emergency use.
- This equipment will be inoperable when mains power fails.
- When a failure occurs which results in the internal parts becoming accessible, disconnect the power supply cord immediately and return this unit to an authorised service centre.
- Disconnect the telephone connection before disconnecting power connection prior to relocating the equipment, and reconnect the power first.
- To minimize the possibility of lightning damage, when you know that a thunderstorm is coming, we recommend that you:
  - A. Unplug the telephone line cord from the phone jack.
  - B. Unplug the power supply cord from the AC power outlet.
- No “000” or other calls can be made from this device during a mains power failure.
- The earcap on the handset is magnetised and may retain metallic objects.

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# Important information

## Instructions to customer

### Installation

Attached to this apparatus is an approval label. This label is evidence that it is a "Permitted Attachment" which has been authorised to be connected to your telephone service.

Conditions relating to connection and operation of this Permitted Attachment are contained in Telecommunications General By-Law 220 (5).

You are authorised to install this Permitted Attachment yourself by plugging it into the line socket of any regular telephone. You may connect it in place of your existing telephone or to any spare telephone socket installed in your premises.

To disconnect your existing telephone you must first remove its plug from the line socket. You can then insert the plug of your Permitted Attachment into the socket and use your equipment.

If the plug of your existing telephone cannot be readily removed, you will have to remove the screw securing it. To do this proceed as follows:

1. Loosen screw "A" sufficiently to remove the socket cover. (See Fig. 1.)
2. Remove screw "B" and withdraw the plug. (See Fig. 2.)
3. Replace screw "B". (See Fig. 3.) Ensure that it screws completely into the socket recess. (If the screw is too long, increase the hole depth or replace the screw with one 5 mm shorter.)
4. Replace socket cover and tighten screw "A". (See Fig. 4.)

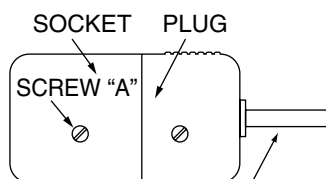


Fig. 1

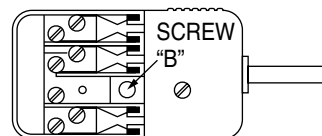


Fig. 2

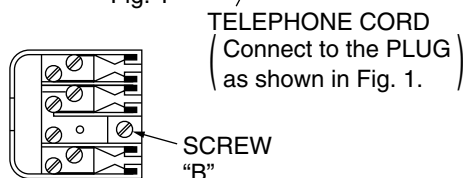


Fig. 3



Fig. 4

If you are satisfied with the operation of your telephone service after plugging in your Permitted Attachment, your installation is completed.

You will be unable to connect this Permitted Attachment if your telephone service consists only of a wall phone or an old style telephone which is not connected by means of a modern plug and socket. In such cases a new socket will need to be installed.

Should the Permitted Attachment not operate when plugged into a socket, it is either faulty or unsuitable for operation with your telephone service. It should be returned to the store where purchased.

### Service difficulties

If at any time a fault occurs on your telephone service carry out the following checks before you call for service:

- Disconnect the Permitted Attachment and try using the service with the normal telephone.
- If the telephone service then operates satisfactorily, the fault is in your Permitted Attachment. Leave the Permitted Attachment disconnected and report the fault to its supplier or agent to arrange for repair.
- If when using the telephone the service is still faulty, report the fault to "Service Difficulties and Faults" for attention.

You are required to keep this Permitted Attachment in good working order while it is connected to your telephone service. Its construction or internal circuit must not be modified in any way without permission.

## Important safety instructions

When using this unit, basic safety precautions should always be followed to reduce the risk of fire, electric shock, or personal injury.

1. Read and understand all instructions.
2. Follow all warnings and instructions marked on this unit.
3. Unplug this unit from power outlets before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this unit near liquid—for example, near a bath tub, washbowl, sink, etc. Damp basements should also be avoided. The unit should be kept away from heat sources such as heaters, kitchen stoves, etc. It also should not be placed in rooms where the temperature is less than 5°C or greater than 35°C.
5. Place the unit securely on a stable surface. Serious damage and/or injury may result if the unit falls.
6. Do not cover slots and openings on the unit. They are provided for ventilation and protection against overheating. Never place the unit near radiators, or in a place where proper ventilation is not provided.
7. Use only the power source marked on the unit. If you are not sure of the type of power supplied to your home, consult your dealer or local power company.
8. For safety purposes this unit is equipped with a grounded plug. If you do not have this type of outlet, please have one installed. Do not defeat this safety feature by tampering with the plug.
9. Do not place objects on the power cord. Install the unit where no one can step or trip on the cord.
10. Do not overload power outlets and extension cords. This can result in the risk of fire or electric shock.
11. Never push any objects through slots in this unit. This may result in the risk of fire or electric shock. Never spill any liquid on the unit.
12. To reduce the risk of electric shock, do not disassemble this unit. Take the unit to an authorised service centre when service is required. Opening or removing covers may expose you to dangerous voltage or other risks. Incorrect reassembly can cause

electric shock when the unit is subsequently used.

13. Unplug this unit from the power outlets and refer servicing to an authorised service centre when the following conditions occur:
  - A. When the power cord is damaged or frayed.
  - B. If liquid has been spilled into the unit.
  - C. If the unit has been exposed to rain or water.
  - D. If the unit does not work normally by following the operating instructions. Adjust only controls covered by the operating instructions. Improper adjustment may require extensive work by an authorised service centre.
  - E. If the unit has been dropped or physically damaged.
  - F. If the unit exhibits a distinct change in performance.
14. During thunderstorms, avoid using telephones except cordless types. There may be a remote risk of an electric shock from lightning.
15. Do not use this unit to report a gas leak, when in the vicinity of the leak.

## SAVE THESE INSTRUCTIONS

### INSTALLATION:

- Never install telephone wiring during a lightning storm.
- Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
- Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
- Use caution when installing or modifying telephone lines.

### WARNING:

- To prevent the risk of fire or electrical shock, do not expose this product to rain or any type of moisture.

### OTHER INFORMATION:

- Keep the unit away from electrical noise generating devices, such as fluorescent lamps and motors.
- The unit should be kept free from dust, high temperature and vibration.

## ***Safety Instructions***

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- The unit should not be exposed to direct sunlight.
- Do not place heavy objects on top of this unit.
- Do not touch the plug with wet hands.
- Wipe the outer surface of the unit with a soft cloth. Do not use benzine, thinner, or any abrasive powder.



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### 1.1 Included accessories

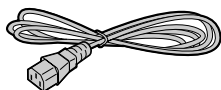
No.	Item	Quantity	Specifications
①	Power cord	1	-----
②	Telephone line cord	1	-----
③	Handset	1	-----
④	Handset cord	1	-----
⑤	Paper tray	1	-----
⑥	Recording paper support	1	-----
⑦	Ink film (10 metres long)	1	prints about 30 A4-sized pages.* <sup>1</sup>
⑧	Operating instructions	1	-----
⑨	Quick start sheet	1	-----

\*1 For replacement film, see page 9.

#### Note:

- If any items are missing or damaged, check with the place of purchase.
- Save the original carton and packing materials for future shipping and transportation of the unit.
- The pictures and illustrations in these instructions may vary slightly from the actual product.

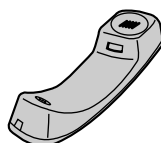
①



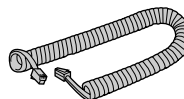
②



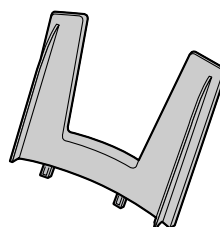
③



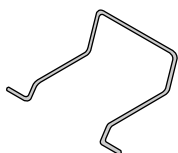
④



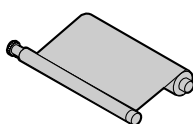
⑤



⑥



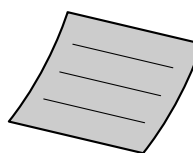
⑦



⑧



⑨



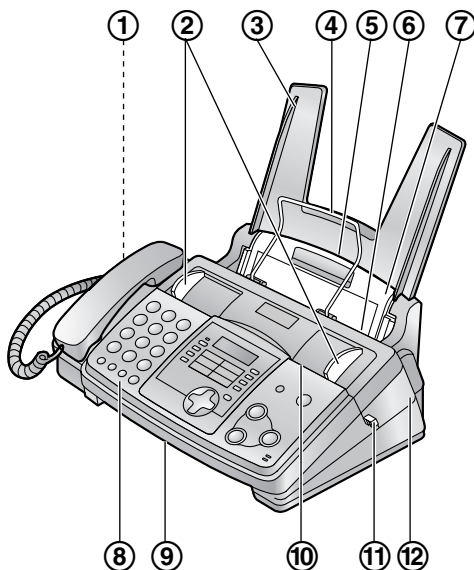
## **1.2 Accessory information**

### **1.2.1 Available accessories**

<b>Model No.</b>	<b>Item</b>	<b>Specifications/Usage</b>
KX-FA57E	Replacement film <sup>*1</sup>	216 mm × 70 m (prints about 210 A4-sized pages.)

<sup>\*1</sup> We recommend that you buy a full-size replacement film for continuous use of your unit. Please use genuine Panasonic replacement film. **The ink film is not reusable. Do not rewind and use the ink film again.**

### 1.3 Overview



- ① **Speaker**
- ② **Document guides**
- ③ **Paper tray**
- ④ **Recording paper support**
- ⑤ **Recording paper entrance**
- ⑥ **Recording paper exit**
- ⑦ **Tension plate**
- ⑧ **Front cover**
- ⑨ **Document exit**
- ⑩ **Document entrance**
- ⑪ **Green button (Back cover release button)**
- ⑫ **Back cover**

### 1.4 Description of buttons

- Keep the front cover page open for button locations.

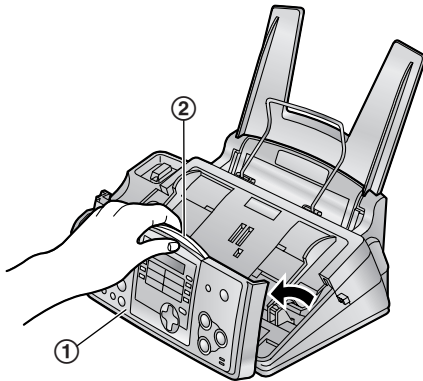
- ① **[TONE]**
  - To change from pulse to tone temporarily during dialling when your line has rotary pulse services.
- ② **One-touch keys**
  - To use one-touch dial (page 20, 21, 25).
- ③ **[BROADCAST]**
  - To transmit a document to multiple parties (page 26).
- ④ **[JUNK FAX PROHIBITOR]**
  - To use the junk fax prohibitor feature (page 31).

- ⑤ **[RECEIVE MODE]**
  - To change the receiving mode (page 28).
- ⑥ **[LOWER]**
  - To select stations 6–10 for one-touch dial (page 20, 21, 25).
- ⑦ **[HELP]**
  - To print a quick reference (page 15).
- ⑧ **[CALLER ID]**
  - To use Caller ID service (page 21, 22).
- ⑨ **[RECALL]**
  - To access special telephone services for transferring extension calls.
- ⑩ **[REDIAL/PAUSE]**
  - To redial the last number dialled.
  - To insert a pause during dialling.
- ⑪ **[MUTE]**
  - To mute your voice to the other party during a conversation. Press this button again to resume the conversation.
- ⑫ **[MONITOR]**
  - To initiate dialling without lifting the handset.
- ⑬ **[NAVIGATOR][VOLUME]**
  - To adjust volume (page 15).
  - To search for a stored entry (page 21, 25).
  - To select features or feature settings during programming (page 36).
  - To navigate to the next operation.
- ⑭ **[MENU]**
  - To initiate or exit programming.
- ⑮ **[COPY]**
  - To initiate copying (page 34).
- ⑯ **[STOP]**
  - To stop an operation or programming.
- ⑰ **[FAX/START][SET]**
  - To initiate fax transmission or reception.
  - To store a setting during programming.

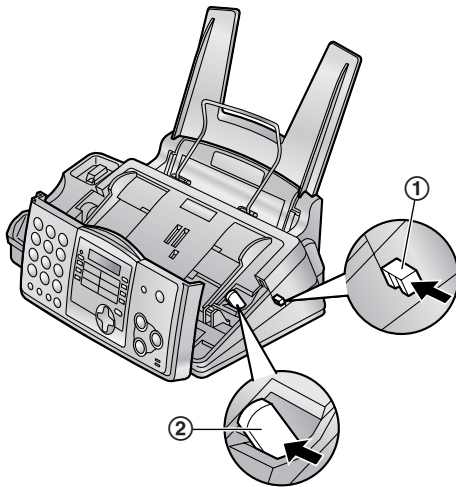
## 1.5 Ink film

### 1.5.1 Installing the ink film

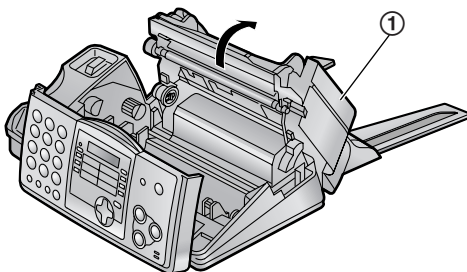
- 1 Open the front cover (①) by pulling up the centre part (②).



- 2 Release the back cover by pushing the green button (①) on the right side of the unit.  
OR  
Release the back cover by pushing the green lever (②) in the unit.



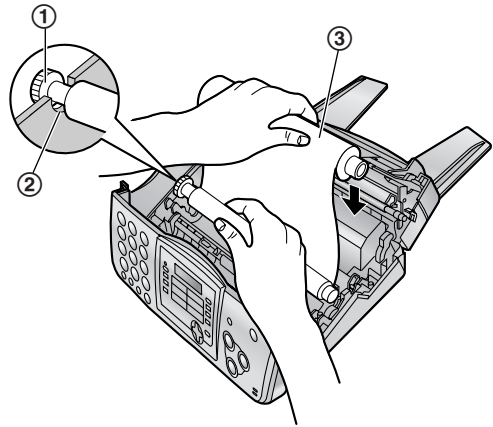
- 3 Open the back cover (①).



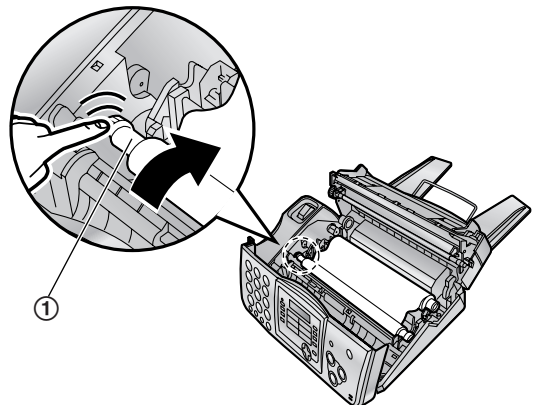
- 4 Insert the gear with the blue core of the front ink film roll (①) into the left slot of the unit (②).

Insert the rear ink film roll (③).

- The ink film is safe to touch, and will not rub off on your hands like carbon paper.



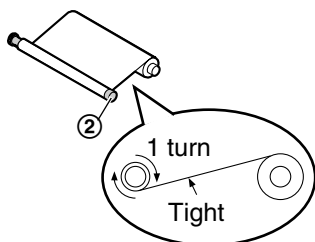
- 5 Turn the gear with the blue core (①) in the direction of the arrow.



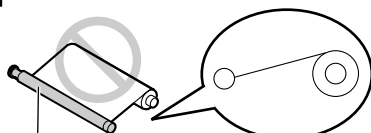
## 1. Introduction and Installation

- Make sure that the ink film is wrapped around the blue core (②) at least once.

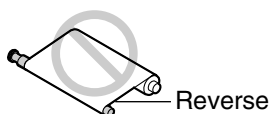
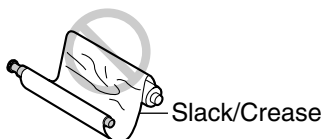
### Correct



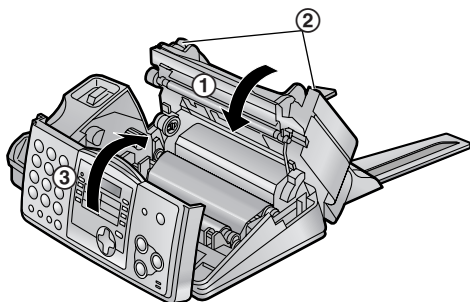
### Incorrect



The ink film is not wrapped around the blue core.

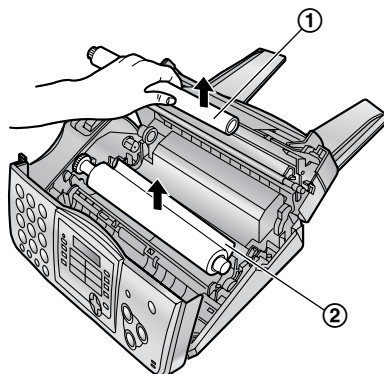


- 6 First close the back cover securely (①) by pushing down on the dotted area at both ends (②). Then close the front cover securely (③).

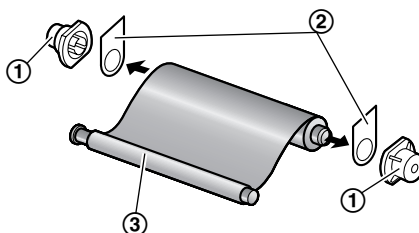


may occur from the use of non-Panasonic replacement film.

- 1 Open the covers (see steps 1 to 3 on page 11).
- 2 Remove the used core (①) and used ink film (②).



- 3 Remove the stoppers (①) and tags (②) from the new ink film (③).



- 4 Insert the ink film and close the covers (see steps 4 to 6 on page 11).

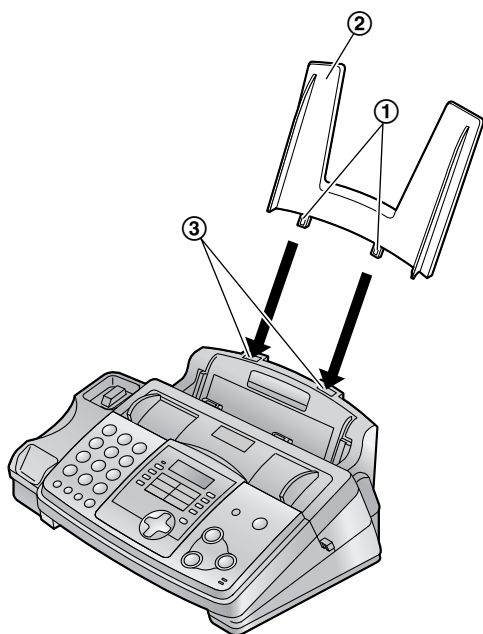
### 1.5.2 Replacing the ink film

The included film roll is a starter ink film. To ensure that the unit operates properly, we recommend the use of Panasonic replacement film. See page 9 for accessory information.

- We cannot be responsible for any damage to the unit or degradation of print quality which

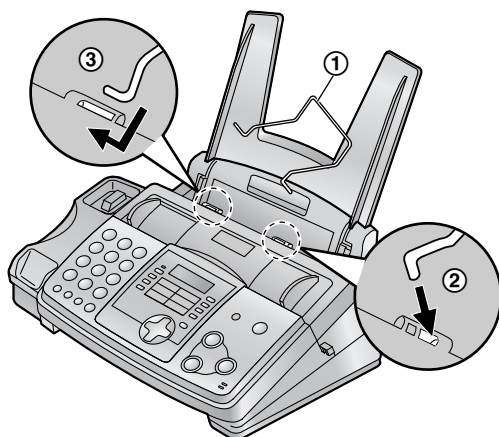
## 1.6 Paper tray

Insert the tabs (①) on the paper tray (②) into the slots on the back of the unit (③).



## 1.7 Recording paper support

Insert the recording paper support (①) into the slot to the right of the recording paper exit (②), then into the left slot (③).



- The recording paper will be ejected from the top of the unit after printing. The recording paper support prevents the printed paper from curling.

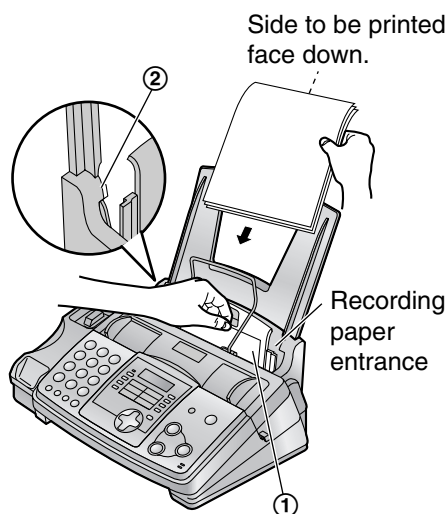
## 1.8 Recording paper

The unit can hold up to 50 sheets of 75 g/m<sup>2</sup> paper. See the note for paper specifications (page 51).

- 1 Before inserting a stack of paper, fan the paper to prevent paper jams.

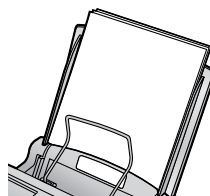


- 2 Pull the tension plate forward (①) and hold open while inserting the paper.

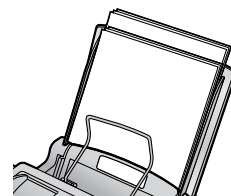


- The paper should not be over the tab (②).
- If the paper is not inserted correctly, readjust the paper, or the paper may jam.

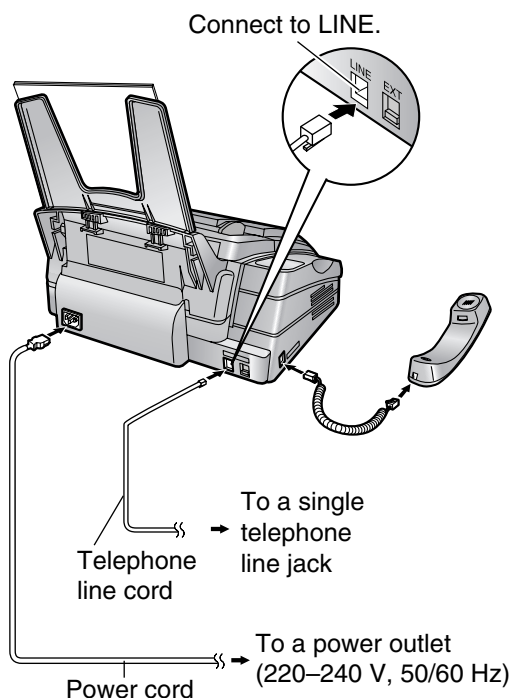
**Correct**



**Incorrect**



### 2.1 Connections

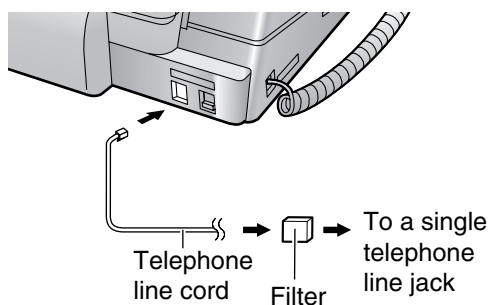


#### Caution:

- When you operate this product, the power outlet should be near the product and easily accessible.
- Be sure to use the telephone line cord included in this unit.
- Do not extend the telephone line cord.

#### Note:

- If any other device is connected on the same line, this unit may disturb the network condition of the device.
- If you want to connect an answering machine to this unit, see page 30.
- If you use the unit with a computer and your internet provider instructs you to install a filter, please connect it as follows.





## 2.2 Help function

The unit contains helpful information which can be printed for quick reference.

### Quick set up:

How to set the date, time, your logo and fax number.

### Feature list:

How to program the features.

### Directory:

How to store names and numbers in the navigator directory and how to dial them.

### Fax receiving:

How to set the unit to receive faxes.

### Copier:

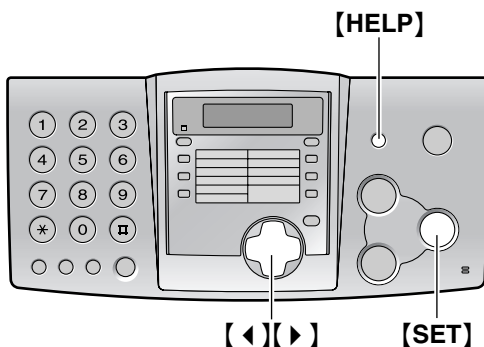
How to use the copier function.

### Reports:

List of available reports.

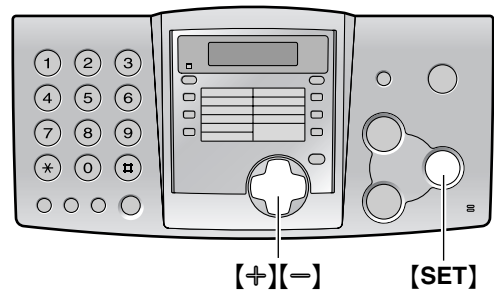
### Caller ID:

How to use the caller ID service.



- 1 Press [HELP].
- 2 Press [◀] or [▶] repeatedly to display the desired item.
- 3 Press [SET].
  - The selected item will be printed.

## 2.3 Adjusting volume



### 2.3.1 Ringer volume

4 levels (high/medium/low/off) are available.

**While the unit is idle**, press [+] or [-].

- If any documents are in the document entrance, you cannot adjust the ringer volume. Confirm that there are no documents in the entrance.

#### To turn the ringer off

1. Press [-] repeatedly to display "RINGER OFF= OK?".
2. Press [SET].
  - When a call is received, the unit will not ring and will display "INCOMING CALL".
  - To turn the ringer back on, press [+].

#### Ringer pattern

- You can select one of three ringer patterns for external calls (feature #17, page 37).

### 2.3.2 Handset receiver volume

3 levels (high/middle/low) are available.

**While using the handset**, press [+] or [-].

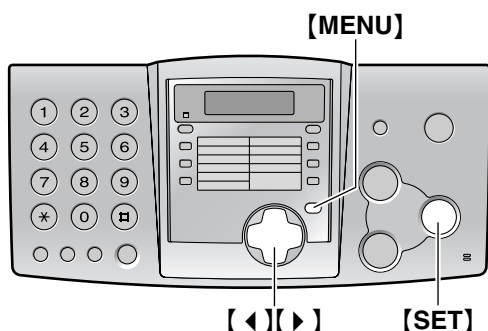
### 2.3.3 Monitor volume

8 levels (high to low) are available.

**While using the monitor**, press [+] or [-].

### 2.4 Date and time

You must set the date and time.



#### Note:

- This information will be printed on each page transmitted from your unit.
- The accuracy of the clock is approximately  $\pm 60$  seconds a month.

#### To correct a mistake

Press [◀] or [▶] to move the cursor to the incorrect number, and make the correction.

- 1 Press [MENU].

```
SYSTEM SET UP  
PRESS NAVI. [◀ ▶]
```

- 2 Press [◀] or [▶] repeatedly to display the following.

```
SET DATE & TIME  
PRESS SET
```

- 3 Press [SET].

- Cursor (■) will appear on the display.

```
M: 01/D: 01/Y: 03  
TIME: 12:00AM
```

- 4 Enter the current month/day/year by selecting 2 digits for each.

**Example: August 10, 2003**

Press [0][8] [1][0] [0][3].

```
M: 08/D: 10/Y: 03  
TIME: 12:00AM
```

- 5 Enter the current hour/minute by selecting 2 digits for each. Press [★] to select "AM" or "PM".

**Example: 3:15PM (12 hour clock entry)**

1. Press [0][3] [1][5].

```
M: 08/D: 10/Y: 03  
TIME: 03:15AM
```

2. Press [★] repeatedly to display "PM".

```
M: 08/D: 10/Y: 03  
TIME: 03:15PM
```

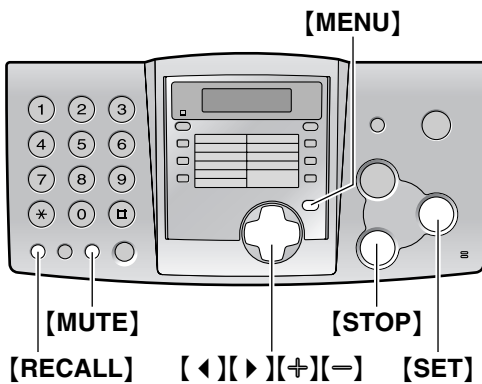
- 6 Press [SET].

- The next feature will be displayed.

- 7 Press [MENU] to exit the program.

## 2.5 Your logo

The logo can be your company, division or name.



- 1 Press **[MENU]**.

SYSTEM SET UP  
PRESS NAVI. [◀ ▶]

- 2 Press **[◀]** or **[▶]** repeatedly to display the following.

YOUR LOGO  
PRESS SET

- 3 Press **[SET]**.
  - Cursor (■) will appear on the display.

LOGO=■

- 4 Enter your logo, up to 30 characters. See the character table on page 17 for details.
- 5 Press **[SET]**.
  - The next feature will be displayed.
- 6 Press **[MENU]** to exit the program.

### Note:

- This information will be printed on each page transmitted from your unit.

### To enter your logo

Example: "BILL"

1. Press **[2]** 2 times.

LOGO=B

2. Press **[4]** 3 times.

LOGO=BI

3. Press **[5]** 3 times.

LOGO=BIL

4. Press **[▶]** to move the cursor to the next space and press **[5]** 3 times.

LOGO=BILL

### To change capital or lower-case letters

Pressing the **[⇄]** key will change to capital or lower-case alternately.

1. Press **[2]** 2 times.

LOGO=B

2. Press **[4]** 3 times.

LOGO=BI

3. Press **[⇄]**.

LOGO=Bi

4. Press **[5]** 3 times.

LOGO=BiL

### To correct a mistake

Press **[◀]** or **[▶]** to move the cursor to the incorrect character, and make the correction.

### To delete a character

Press **[◀]** or **[▶]** to move the cursor to the character you want to delete and press **[STOP]**.

### To insert a character

1. Press **[◀]** or **[▶]** to move the cursor to the position to the right of where you want to insert the character.
2. Press **[MUTE]** to insert a space and enter the character.

### To select characters with the dial keypad

Keys	Characters
[1]	1 [ ] { } + - / = , . _ ` : ; ?
[2]	A B C a b c 2
[3]	D E F d e f 3
[4]	G H I g h i 4
[5]	J K L j k l 5
[6]	M N O m n o 6
[7]	P Q R S p q r s 7

## 2. Preparation

Keys	Characters
[8]	T U V t u v 8
[9]	W X Y Z w x y z 9
[0]	0 ( ) < > ! " # \$ % & ¥ * @ ^ ' →
[#]	To change capital or lower-case letter.
[RECALL]	Hyphen button
[MUTE]	Insert button
[STOP]	Delete button

### Note:

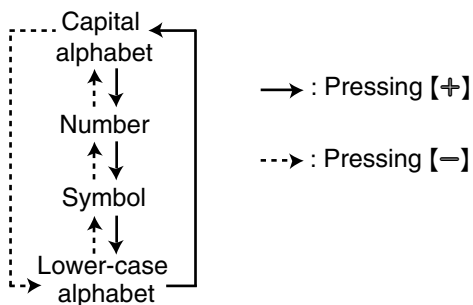
- To enter another character located on the same number key, press [▶] to move the cursor to the next space.

### To select characters using [+] or [-]

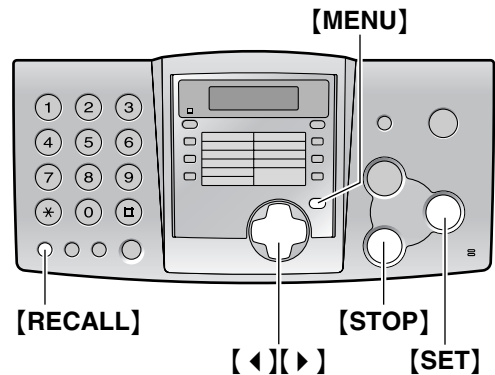
Instead of pressing the dial keys, you can select characters using [+] or [-].

- Press [+] or [-] repeatedly to display the desired character.
- Press [▶] to move the cursor to the next space.
  - The character displayed is inserted.
- Return to step 1 to enter the next character.

### Display order of characters



## 2.6 Your fax number



- Press [MENU].

SYSTEM SET UP  
PRESS NAVI. [◀ ▶]

- Press [◀] or [▶] repeatedly to display the following.

YOUR FAX NO.  
PRESS SET

- Press [SET].

- Cursor (■) will appear on the display.

NO. = ■

- Enter your fax number, up to 20 digits.

Example: NO. = 1234567 ■

- Press [SET].

- The next feature will be displayed.

- Press [MENU] to exit the program.

### Note:

- This information will be printed on each page transmitted from your unit.
- The [\*] button enters a "+" and the [#] button enters a space.

**Example: +64 9 1234567**

Press [\*][6][4][#][9][#][1][2][3][4][5][6][7].

- To enter a hyphen in a telephone number, press [RECALL].

### To correct a mistake

Press [◀] or [▶] to move the cursor to the incorrect number, and make the correction.

---

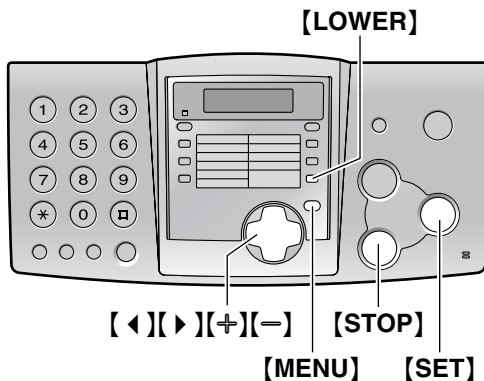
### To delete a number

Press [◀] or [▶] to move the cursor to the number you want to delete and press **[STOP]**.

## 3.1 Storing names and telephone numbers into the one-touch dial and navigator directory

For rapid access to frequently dialled numbers, the unit provides the one-touch dial (10 entries) and navigator directory (100 entries).

- You can also send faxes using the one-touch dial and navigator directory (page 25).



### 3.1.1 Storing into the one-touch dial

- 1 Press **[MENU]** repeatedly to display "DIRECTORY SET".
- 2 Select the desired station key.

#### For station 1:

1. Press station 1.

STATION 1 DIAL MODE	[±]
------------------------	-----

2. Press **[SET]**.

#### For stations 2–5:

Press one of the station keys.

#### For stations 6–10:

Press **[LOWER]**, then press one of the station keys.

- 3 Enter the name, up to 10 characters (see page 17 for instructions).
- 4 Press **[SET]**.
- 5 Enter the telephone number, up to 30 digits.
- 6 Press **[SET]**.
  - To program other entries, repeat steps 2 to 6.

- 7 Press **[MENU]**.

#### Helpful hints:

- You can confirm the stored entries in the telephone number list (page 49).

#### Note:

- A hyphen or a space entered in a telephone number counts as two digits.

#### To correct a mistake

Press **[◀]** or **[▶]** to move the cursor to the incorrect character/number, and then make the correction.

#### To delete a character/number

Press **[◀]** or **[▶]** to move the cursor to the character/number you want to delete, and press **[STOP]**.

### 3.1.2 Storing into the navigator directory

- 1 Press **[MENU]** repeatedly to display "DIRECTORY SET".
- 2 Press **[▶]**.
- 3 Enter the name, up to 10 characters (see page 17 for instructions).
- 4 Press **[SET]**.
- 5 Enter the telephone number, up to 30 digits.
- 6 Press **[SET]**.
  - To program other entries, repeat steps 3 to 6.
- 7 Press **[MENU]**.

#### Helpful hints:

- You can confirm the stored entries in the telephone number list (page 49).

#### Note:

- If "SPACE= 5 DIRS." is displayed, you can store only 5 more entries.
- A hyphen or a space entered in a telephone number counts as 2 digits.

#### To correct a mistake

Press **[◀]** or **[▶]** to move the cursor to the incorrect character/number, and then make the correction.

#### To delete a character/number

Press **[◀]** or **[▶]** to move the cursor to the character/number you want to delete, and press **[STOP]**.

### 3.1.3 Editing a stored entry

- 1 Press [▶].
- 2 Press [⊕] or [⊖] repeatedly to display the desired entry.
- 3 Press [MENU].
- 4 Press [✱].
  - If you do not need to edit the name, skip to step 6.
- 5 Edit the name (see the storing procedure on page 20 for instructions).
- 6 Press [SET].
  - If you do not need to edit the telephone number, skip to step 8.
- 7 Edit the telephone number. For further details, see the storing procedure on page 20.
- 8 Press [SET].

### 3.1.4 Erasing a stored entry

- 1 Press [▶].
- 2 Press [⊕] or [⊖] repeatedly to display the desired entry.
- 3 Press [MENU].
- 4 Press [⦿].
  - To cancel erasing, press [STOP].
- 5 Press [SET].

## 3.2 Making a phone call using the one-touch dial and navigator directory

Before using this feature, program the desired names and telephone numbers into the one-touch dial and navigator directory (page 20).

- Keep the front cover page open for button locations.

### 3.2.1 Using the one-touch dial

- 1 Press [MONITOR] or lift the handset.
- 2 Select the desired station key.

#### For stations 1–5:

Press the desired station key.

#### For stations 6–10:

Press [LOWER], then press the desired station key.

- The unit will start dialling automatically.

### 3.2.2 Using the navigator directory

- 1 Press [▶].
- 2 Press [⊕] or [⊖] repeatedly to display the desired entry.
- 3 Press [MONITOR] or lift the handset.
  - The unit will start dialling automatically.

#### To search for a name by initial

Example: "LISA"

1. Press [▶].
2. Press [⊕] or [⊖] to initiate the navigator directory.
3. Press [5] repeatedly to display any name with the initial "L" (see the character table, page 17).
  - To search for symbols (not letters or numbers), press [✱].
4. Press [⊕] repeatedly to display "LISA".
  - To stop the search, press [STOP].
  - To dial the displayed number, press [MONITOR] or lift the handset.

## 3.3 Caller ID service

This unit is compatible with the Caller ID service offered by your local telephone company. To use this feature, you must subscribe to a Caller ID service.

### 3.3.1 How Caller ID is displayed

The calling party's name or telephone number will be displayed after the first ring. You then have the option of whether or not to answer the call.

The unit will automatically store the caller information. You can view it (page 22) and print the caller ID list (page 49).

#### Note:

- If the unit is connected to a PBX (Private Branch Exchange) system, you may not receive the caller information. Consult your PBX supplier.
- If the unit cannot receive caller information, the following will be displayed:
  - "OUT OF AREA": The caller dialled from an area which does not provide Caller ID service.
  - "PRIVATE CALLER": The caller requested not to send caller information.

### 3. Telephone

- Although Telstra and Optus do not currently send caller name information, the caller's name will be displayed as stored in the directory, when a call from that caller is received.
- The area code will need to be stored with the 8-digit telephone number.

#### To confirm caller information using the Caller ID list

The unit will store information for the most recent 30 callers.

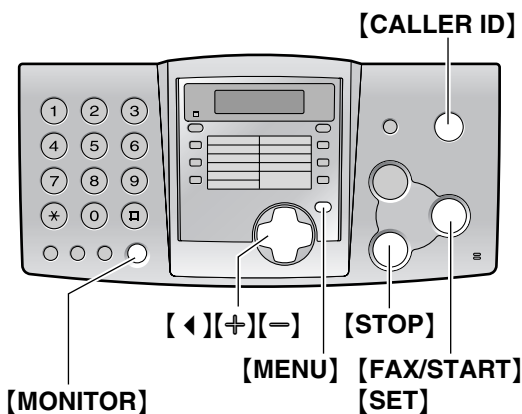
- To print manually, see page 49.
- To print automatically after every 30 new calls, activate feature #26 (page 37).

## 3.4 Viewing and calling back using caller information

You can easily view caller information and call back.

#### Important:

- **Calling back will not be possible in the following cases:**
  - The telephone number includes data other than numbers (i.e. \* or #).
  - The caller information does not include a telephone number.



- 1 Press **[CALLER ID]**.
- 2 Press **[+]** to search from the most recent caller information.  
Press **[-]** to search from the oldest caller information.

- If you need to edit the telephone number, see page 22.

Example: 

SAM LEE	①
11:20AM Jul 20	✓

- (①) means this call has already been viewed or answered.
- To change the display of the caller information, press **[CALLER ID]** repeatedly.

- 3 Press **[MONITOR]** or lift the handset to call back the displayed party.
  - The unit will start dialling automatically.
  - To send a fax, insert the document **FACE DOWN** and press **[FAX/START]**.

#### Note:

- Telstra and Optus do not currently send caller name information.

#### Display while viewing

When no calls have been received, the display will show "NO CALLER DATA".

When the unit could not receive a name, the display will show "NO NAME RCVD".

#### To stop viewing

Press **[STOP]** after step 2.

### 3.4.1 Editing a caller's telephone number before calling back

- 1 Press **[CALLER ID]**.
- 2 Press **[+]** or **[-]** repeatedly to display the desired entry.
- 3 Press **[CALLER ID]** to display the telephone number.
- 4 Press dial key (0 to 9) or **[\*]** to enter the editing mode and edit the telephone number.
- 5 Press **[MONITOR]** or lift the handset to call back the edited number.
  - The unit will start dialling automatically.
  - To send a fax, insert the document **FACE DOWN** and press **[FAX/START]**.

#### Note:

- The edited telephone number will not be saved in the caller information. To save in the directory, see page 23.



### 3.4.2 Erasing all caller information

- 1 Press **[MENU]** repeatedly to display "CALLER SET UP".
- 2 Press **[SET]**.
- 3 Press **[SET]**.
  - To cancel erasing, press **[STOP]**, then **[MENU]**.
- 4 Press **[SET]**.
- 5 Press **[STOP]**.

### 3.4.3 Erasing specific caller information

- 1 Press **[CALLER ID]**.
- 2 Press **[+]** or **[=]** repeatedly to display the desired entry.
- 3 Press **[◀]**.
  - To cancel erasing, press **[STOP]**.
- 4 Press **[SET]**.
  - To erase other entries, repeat step 2 to 4.
- 5 Press **[STOP]**.

**Note:**

- Telstra and Optus do not currently send caller name information.

## 3.5 Storing caller information into the one-touch dial and navigator directory

- Keep the front cover page open for button locations.

**Important:**

- This feature is not available in the following cases.
  - The telephone number includes data other than numbers (i.e. ✕ or #).
  - The caller information does not include a telephone number.

- 1 Press **[CALLER ID]**.
- 2 Press **[+]** or **[=]** repeatedly to display the desired entry.
- 3 Press **[MENU]**.

- 4 Select the station key or navigator directory.

**For station 1:**

1. Press station 1.

STATION 1	
DIAL MODE	[±]

2. Press **[SET]**.

3. Press **[SET]**.

**For stations 2–5:**

1. Press the desired station key.
2. Press **[SET]**.

**For stations 6–10:**

1. Press **[LOWER]**, then press the desired station key.
2. Press **[SET]**.

**For navigator directory:**

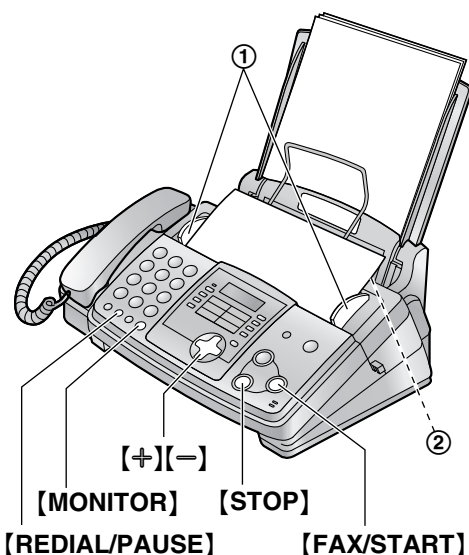
1. Press **[◀]** or **[▶]**.
2. Press **[SET]**.

- 5 Press **[SET]**.

**Note:**

- You can confirm the stored entries in the telephone number list (page 49).
- The unit can only store a name of up to 10 characters long.
- To edit a name and number, see page 21.
- If you enter a new entry into a station key, the previous entry will be replaced.
- Telstra and Optus do not currently send caller name information.

### 4.1 Sending a fax manually



- 1 Adjust the width of the document guides (①) to the size of the document.
- 2 Insert the document (up to 10 pages) FACE DOWN (②) until a single beep is heard and the unit grasps the document.
- 3 If necessary, press **[+]** or **[-]** repeatedly to select the desired resolution.
- 4 Press **[MONITOR]**.
- 5 Dial the fax number.
- 6 **When a fax tone is heard:**  
Press **[FAX/START]**.

#### **When the other party answers your call:**

Lift the handset and ask them to press their start button. When the fax tone is heard, press **[FAX/START]**.

#### **To select the resolution**

Select the desired resolution according to the type of document.

- “STANDARD”: For printed or typewritten originals with normal-sized characters.
- “FINE”: For originals with small printing.
- “SUPER FINE”: For originals with very small printing. This setting only works with other compatible fax machines.
- “PHOTO”: For originals containing photographs, shaded drawings, etc.

- Using the “FINE”, “SUPER FINE” and “PHOTO” settings will increase transmission time.
- If the resolution setting is changed during feeding, it will be effective from the next sheet.

#### **To redial the last number**

Press **[REDIAL/PAUSE]**.

- If the line is busy, the unit will automatically redial the number up to 2 times.
- To cancel redialling, press **[STOP]**.

#### **To send more than 10 pages at a time**

Insert the first 10 pages of the document. Add the other pages (up to 10 at a time) before the last page feeds into the unit.

#### **Predialling a fax number**

You can dial the fax number first before inserting the document. This is convenient if you need to refer to the document for the other party's fax number.

1. Enter the fax number.
2. Insert the document.
3. Press **[FAX/START]**.

#### **Sending from memory (Quick scan feature)**

You can scan the document into memory before sending. To use this feature, activate feature #34 (page 38) beforehand.

1. Insert the document.
2. Enter the fax number.
3. Press **[FAX/START]**.

- The document will be fed into the unit and scanned into memory. The unit will then transmit the data. If the document exceeds the memory capacity, sending will be cancelled and this feature will be turned off automatically. You must transmit the entire document manually.

#### **To stop transmission**

Press **[STOP]**.

#### **Sending report for confirmation**

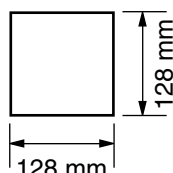
A sending report provides you with a printed record of transmission results. To use this feature, activate feature #04 (page 36). For an explanation of error messages in the result column, see page 40.

### Journal report

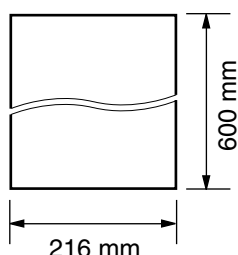
A journal report provides you with a printed record of the 30 most recent faxes. To print manually, see page 49. To print automatically after every 30 new fax communications, activate feature #22 (page 37). For an explanation of error messages in the result column, see page 40.

## 4.2 Documents you can send

### Minimum document size

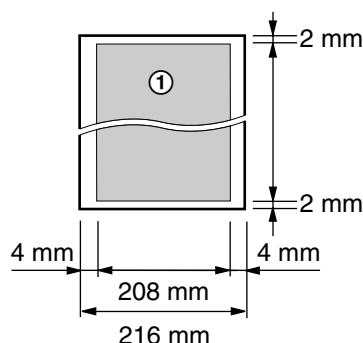


### Maximum document size



### Effective scanning area

- Shaded area (①) will be scanned.



### Document weight

- Single sheet: 45 g/m<sup>2</sup> to 90 g/m<sup>2</sup>
- Multiple sheets: 60 g/m<sup>2</sup> to 75 g/m<sup>2</sup>

### Note:

- Remove clips, staples or other fasteners.

- Do not send the following types of documents: (Use copies for fax transmission.)
  - Chemically treated paper such as carbon or carbonless duplicating paper
  - Electrostatically charged paper
  - Badly curled, creased or torn paper
  - Paper with a coated surface
  - Paper with a faint image
  - Paper with printing on the opposite side that can be seen through the other side, such as newsprint.
- Check that ink, paste or correction fluid has dried completely.
- To transmit a document with a width of less than 210 mm, we recommend using a copy machine to copy the original document onto A4 or letter-sized paper, then transmitting the copied document.

## 4.3 Sending a fax using the one-touch dial and navigator directory

Before using this feature, program the desired names and telephone numbers into the one-touch dial and navigator directory (page 20).

- Keep the front cover page open for button locations.

- Adjust the width of the document guides to the size of the document.
- Insert the document (up to 10 pages) FACE DOWN until a single beep is heard and the unit grasps the document.
- If necessary, press **[+]** or **[-]** repeatedly to select the desired resolution (page 24).
- Enter the fax number.

### Using stations 1–5:

Press the desired station key.

### Using stations 6–10:

Press **[LOWER]**, then press the desired station key.

### Using navigator directory:

Press **[◀]** or **[▶]**, then press **[+]** or **[-]** to display the desired entry and press **[FAX/START]**.

- If the desired name has not been stored in navigator directory, press **[STOP]** and dial the number manually.

### Fax auto redial

If the line is busy or if there is no answer, the unit will automatically redial the number up to 2 times.

- To cancel redialling, press **[STOP]**.

### If your unit does not send a fax

- Confirm the stored telephone number on the display and check that the number dialled is answered by the other party's machine.
- The connecting tone will be heard during dialling to tell you the status of the other party's machine (feature #76, page 39).

## 4.4 Broadcast transmission

By programming entries from the one-touch dial and navigator directory (page 20) into the broadcast memory, you can send the same document to multiple parties (up to 20). Your programmed entries will remain in the broadcast memory, allowing frequent re-use. See page 27 for broadcast transmission instructions.

- Keep the front cover page open for button locations.
- The broadcast function utilises station 1. The one-touch dial function will be cancelled.
- The broadcast key can accept one-touch dial and navigator entries.

### 4.4.1 Programming entries into the broadcast memory

- 1 Press **[MENU]** repeatedly to display "DIRECTORY SET".
- 2 Press **[BROADCAST]**.
- 3 Press **[+]** or **[-]** repeatedly to display the following.

STATION 1 BROADCAST [±]
----------------------------



STATION 1 STORE:PRESS SET
------------------------------

- 4 Press **[SET]**.

- 5 Program entries.

#### Using stations 2–5:

Press the desired station key.

#### Using stations 6–10:

Press **[LOWER]**, then press the desired station key.

#### Using navigator directory:

Press **[+]** or **[-]** repeatedly to display the desired entry and press **[SET]**.

- 6 Press **[SET]** after programming all of the desired entries.

- 7 Press **[STOP]**.

#### Note:

- If you program the wrong entry, press **[STOP]** after step 5 to erase the entry.
- Confirm the stored entries by printing a broadcast programming list (page 49).

### 4.4.2 Adding a new entry into the broadcast memory

After initial programming, you can add new entries (up to a combined total of 20).

- 1 Press **[▶]**.
- 2 Press **[+]** or **[-]** repeatedly to display "<BROADCAST>".
- 3 Press **[MENU]**.
- 4 Press **[✕]** to select "ADD".
- 5 Press **[+]** or **[-]** repeatedly to display the desired entry you want to add.
- 6 Press **[SET]**.
  - To add other entries, repeat steps 5 and 6 (up to 20 entries).
- 7 Press **[STOP]**.

### 4.4.3 Erasing a stored entry from the broadcast memory

- 1 Press **[▶]**.
- 2 Press **[+]** or **[-]** repeatedly to display "<BROADCAST>".
- 3 Press **[MENU]**.
- 4 Press **[†]** to select "DELETE".
- 5 Press **[+]** or **[-]** repeatedly to display the desired entry you want to erase.
  - To cancel erasing, press **[STOP]**.
- 6 Press **[SET]**.

- 7 Press **[SET]**.
  - To erase other entries, repeat steps 5 to 7.
- 8 Press **[STOP]**.

#### 4.4.4 Sending the same document to pre-programmed parties

- 1 Insert the document FACE DOWN.
- 2 If necessary, press **[+]** or **[-]** repeatedly to select the desired resolution (page 24).
- 3 Press **[BROADCAST]**.
  - The document will be fed into the unit and scanned into memory. The unit will then transmit the data to each entry, calling each number sequentially.
  - After transmission, the stored document will be erased automatically, and the unit will automatically print a broadcast sending report.

#### Note:

- If you select "FINE", "SUPER FINE" or "PHOTO" resolution, the number of pages that the unit can transmit will decrease.
- If the document exceeds the memory capacity, sending will be cancelled.
- If one of the entries is busy or does not answer, it will be skipped and redialled later up to 2 times.

---

#### To send the same document to a one-time group of entries

You can also select a one-time group of entries to send the same document to. After transmission, this group will be deleted.

1. Insert the document.
2. Press **[▶]**.
3. Press **[+]** or **[-]** repeatedly to display "<ONE TIME BROAD>".
4. Press **[SET]** to start programming the entries you want to transmit to.
5. Press **[+]** or **[-]** repeatedly to display the desired entry.
6. Press **[SET]**.
  - To program other entries, repeat steps 5 and 6 (up to 20 entries).
7. Press **[SET]** to start transmission to the programmed entries.

---

#### To cancel broadcast transmission

1. Press **[STOP]** while the unit displays "BROADCASTING".
  - The display will show "SEND CANCELLED?".
2. Press **[SET]**.

### 4.5 Selecting the way to use your fax machine

Depending on your situation, select the way you prefer to use your fax machine.

- Use only as a fax
- Mostly phone calls

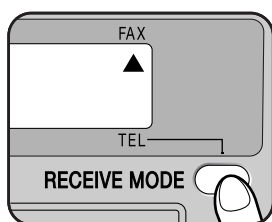
#### 4.5.1 Use only as a fax

##### Your situation

You have a separate telephone line just for faxes.

##### How to set up

Set the fax machine to FAX ONLY mode (page 30) by pressing **[RECEIVE MODE]**.



##### How to receive calls

All incoming calls will be answered as faxes.

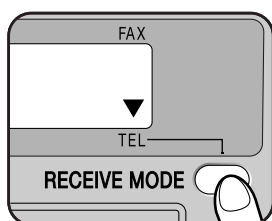
#### 4.5.2 Mostly phone calls

##### Your situation

You plan to answer the calls yourself.

##### How to set up

Set the fax machine to TEL mode (page 29) by pressing **[RECEIVE MODE]**.



##### How to receive calls

You have to answer all calls manually.

To receive a fax document, press **[FAX/START]** for each fax receiving.

#### 4.5.3 With answering machine

##### Your situation

You want to use the fax machine with an answering machine.

##### How to set up

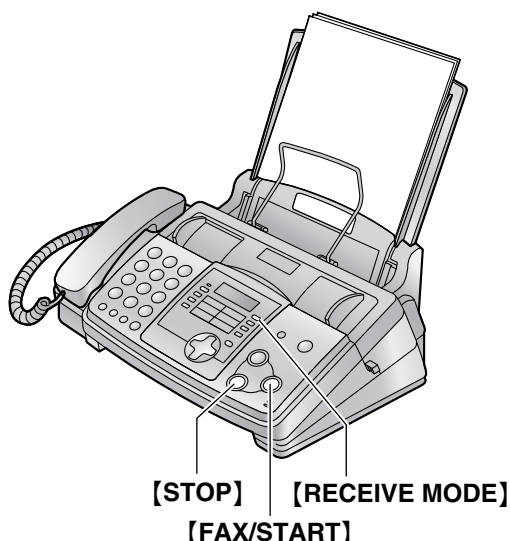
Connect an external telephone answering machine and set the ring count of the answering machine to less than 4.

- Set the ring count in FAX ONLY mode of the fax machine to more than 4, if you use with auto answer ON.

##### How to receive calls

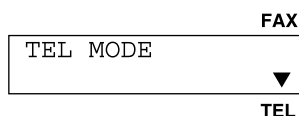
When receiving phone calls, the answering machine will record voice messages.

## 4.6 Receiving a fax manually



### 4.6.1 Activating TEL mode

Set the fax machine to TEL mode by pressing **[RECEIVE MODE]** repeatedly to display the following.



#### How to receive calls

- 1 Lift the handset to answer the call.
- 2 When:
  - document reception is required,
  - a fax calling tone (slow beep) is heard, or
  - no sound is heard,
 press **[FAX/START]**.

CONNECTING . . . . .

- The unit will start fax reception.

#### Note:

- If you do not answer the call within 10 rings, the unit will temporarily switch to fax reception. The other party can then send a fax.

#### To stop receiving

Press **[STOP]**.

### Extension telephone

You can receive fax documents using an extension telephone.

#### Important:

- Use a touch tone telephone as the extension telephone.

1. When the extension telephone rings, lift the handset of the extension telephone.
2. When:
  - document reception is required,
  - a fax calling tone (slow beep) is heard, or
  - no sound is heard,
 press **\*#9** (pre-selected fax activation code) **firmly**.
3. Replace the handset.
  - The fax machine will start reception.

#### Note:

- To receive fax documents using the extension telephone, you must set the remote fax activation to ON (feature #41, page 38) beforehand.

### Turning the AUTO ANSWER mode ON remotely

When you are not in, and the AUTO ANSWER mode of your unit is set to off (TEL mode), you can turn the AUTO ANSWER mode (FAX ONLY) on from a remote location using a touch tone telephone.

1. Call your unit and wait for 10 rings.
  - A beep will sound.
2. Press **[\*]** within 8 seconds.
3. Hang up the handset.

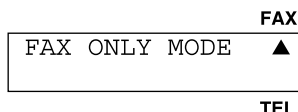
### 4.7 Receiving a fax automatically



[RECEIVE MODE]

#### 4.7.1 Activating FAX ONLY mode

Set the fax machine to FAX ONLY mode by pressing **[RECEIVE MODE]** repeatedly to display the following.



#### How to receive calls

When receiving calls, the unit will automatically answer all calls and only receive fax documents.

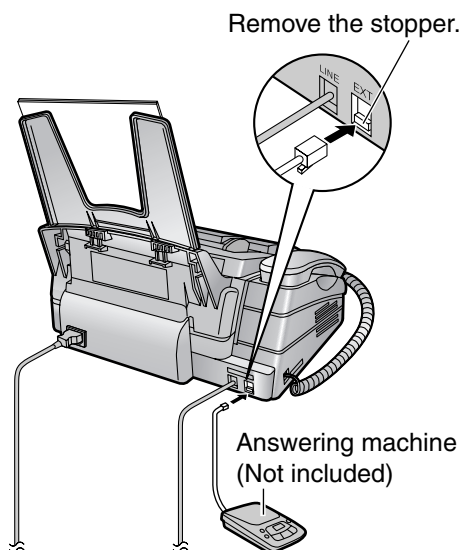
#### Note:

- The number of rings before a call is answered in FAX ONLY mode can be changed (feature #06 on page 37).

### 4.8 Using the unit with an answering machine

#### 4.8.1 Setting up the fax machine and an answering machine

- 1 Connect the answering machine.



- 2 Set the number of rings on the answering machine to less than 4.
  - This will allow the answering machine to answer the call first.
- 3 Record a greeting message on the answering machine.
  - We recommend you record a message up to 10 seconds long, and not to pause for more than 4 seconds during the message. Otherwise, both machines will not function correctly.
- 4 Activate the answering machine.
- 5 Set the fax machine to TEL mode (page 29) or FAX ONLY mode (page 30).
  - If you set to FAX ONLY mode, **change the ring setting in FAX ONLY mode to more than 4 (feature #06 on page 37).**
- 6 Check all or part of the followings are not the same:
  - the remote access code of the answering machine
  - the fax activation code (feature #41 on page 38)



### Receiving a voice message and fax document in one call

The caller can leave a voice message and send a fax document during the same call. Inform the caller of the following procedure beforehand.

1. The caller calls your unit.
  - The answering device will answer the call.
2. The caller can leave a message after the greeting message.
3. The caller presses \*#9 (Preselected fax activation code).
  - The unit will activate the fax function.
4. The caller presses the start button to send a document.

#### Note:

- The fax activation code can be changed in feature #41 (page 38).

## 4.9 Receive polling (retrieving a fax placed on another fax machine)

This feature allows you to retrieve a document from another compatible machine. Therefore you pay for the call.

Make sure that no documents are fed into your unit and that the other party's machine is ready for your call.

- Keep the front cover page open for button locations.
- 1 Press **[MENU]** repeatedly to display "POLLING".
  - 2 Press **[SET]**.
  - 3 Dial the fax number.
  - 4 Press **[SET]**.
    - The unit will start reception.

## 4.10 Junk fax prohibitor (preventing fax reception from undesired callers)

If you subscribe to caller ID service, this feature prevents fax reception from calls that do not show caller information.

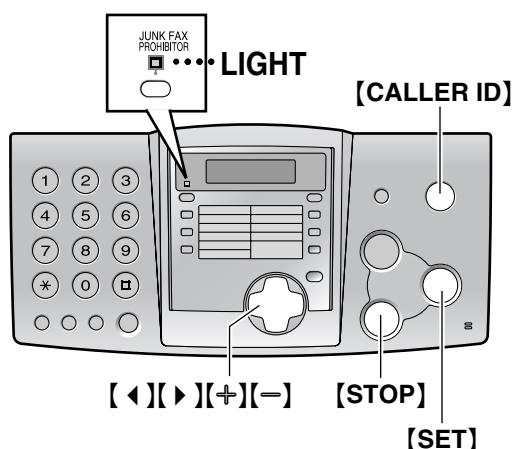
Additionally, faxes originating from numbers that match a programmable junk fax prohibitor list will not be accepted by the fax machine (page 31).

#### Important:

- This feature does not work when:

- the unit is set to the TEL mode, or
- manual reception is performed.

### 4.10.1 Activating the junk fax prohibitor



- 1 Press **[JUNK FAX PROHIBITOR]**.
- 2 Press **[▶]**.
- 3 Press **[+]** or **[–]** to select "ON".
- 4 Press **[SET]**.
  - The JUNK FAX PROHIBITOR indicator will turn on.
- 5 Press **[STOP]**.

### 4.10.2 Programming undesired callers

You can register up to 10 undesired numbers from the caller's list if you do not wish to receive faxes from them.

- 1 Press **[CALLER ID]**.
- 2 Press **[+]** or **[–]** until the entry you wish to prevent the fax reception from is displayed.
- 3 Press **[JUNK FAX PROHIBITOR]**.
- 4 Press **[SET]**.
  - To program other entries, repeat steps 2 to 4.
- 5 Press **[STOP]**.

#### Note:

- If there is no space to store new entries, "LIST FULL" is displayed in step 4. Erase unnecessary entries.

#### To display the junk fax prohibitor list

1. Press **[JUNK FAX PROHIBITOR]**.

## 4. Fax

---

2. Press [▶] 2 times.
3. Press [SET].
4. Press [⊕] or [⊖] to display the entry.
5. To stop viewing, press [STOP] 2 times.

---

### To print the junk fax prohibitor list

1. Press [JUNK FAX PROHIBITOR].
2. Press [▶] 3 times.
3. Press [SET].
4. Press [STOP].

---

### To erase an entry from the junk fax prohibitor list

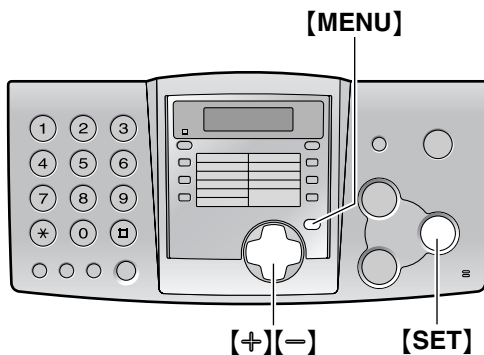
1. Press [JUNK FAX PROHIBITOR].
2. Press [▶] 2 times.
3. Press [SET].
4. Press [⊕] or [⊖] repeatedly to display the desired entry.
5. Press [◀].
  - To cancel erasing, press [STOP].
6. Press [SET].
7. Press [STOP] 2 times.

## 5.1 Using with the ring detection feature

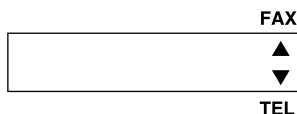
This feature is only for use if you subscribe to a Distinctive Ring pattern service from your telephone company. For more information on the availability of this service in your area, please contact your telephone company before setting this feature on your unit. This service is called “Fax Stream Duet”.

The Distinctive Ring service gives you an additional phone number on a single telephone line, with a different ringing pattern.

When you wish to use the additional phone number as a facsimile telephone number, set the ring pattern detection feature to ON. When the unit detects a call matching the Distinctive Ring pattern, it will receive a fax automatically.



- 1 Press **[MENU]**.
- 2 Press **[⏏]**, then **[3][1]**.
- 3 Press **[+]** or **[-]** to select “ON”.
  - If this feature is not required, select “OFF”.
- 4 Press **[SET]**.
- 5 Press **[MENU]**.
  - The display shows the following and you cannot change the receiving mode while the Distinctive Ring feature is activated.

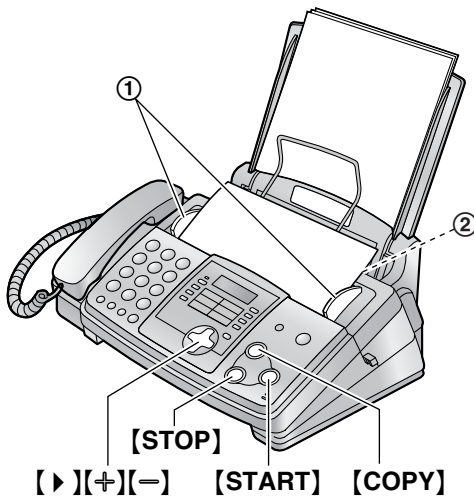


### How to receive calls

If the incoming call is for the fax number, the fax machine will ring with the assigned ring pattern and automatically start fax reception.

If the incoming call is for the phone number, the fax machine will keep on ringing.

### 6.1 Making a copy



- 1 Adjust the width of the document guides (①) to the size of the document.
- 2 Insert the document (up to 10 pages) FACE DOWN (②) until a single beep is heard and the unit grasps the document.
- 3 If necessary, press [▶] or [-] repeatedly to select the desired resolution.
- 4 Press [COPY].
  - If necessary, enter the number of copies (up to 50).
- 5 Press [START], or wait for 15 seconds.
  - The unit will start copying.

#### Note:

- Any transmittable document can be copied (page 25).

#### To select the resolution

Select the desired resolution according to the type of document.

- “FINE”: For printed or typewritten originals with small printing.
- “SUPER FINE”: For originals with very small printing.
- “PHOTO”: For originals containing photographs, shaded drawings, etc.
- If a resolution setting is not selected, “FINE” will be selected automatically.

#### Quick scan feature

This feature is helpful when you want to copy the document, then remove it for other uses. To use

this feature, activate feature #34 (page 38) beforehand.

- The document will be fed into the unit and scanned into memory. The unit will then print the data.

If the document exceeds the memory capacity, copying of the exceeded document will be cancelled and this feature will be turned off automatically.

#### To stop copying

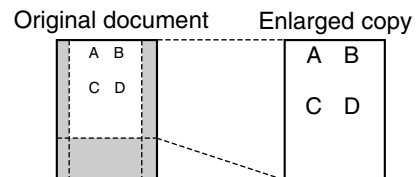
Press [STOP].

### 6.1.1 More copying features

#### To enlarge a document

1. Press [▶] after step 4 on page 34.
2. Press [▶] repeatedly to select “150%” or “200%”, then press [START].
  - The unit will only enlarge the centre of the upper part of the document. To make an enlarged copy of the bottom of the document, turn the document around, and then make a copy.

#### Example: 150% enlarged copy



#### To reduce a document

1. Press [▶] after step 4 on page 34.
2. Press [-] repeatedly to select “92%”, “86%” or “72%”, then press [START].

Setting	Recording paper size	Original document size
100% (default)	A4	A4, Letter
92%	A4	A4
86%	A4	A4
72%	A4	Legal

A4 = 210 mm × 297 mm

Legal = 216 mm × 356 mm

Letter = 216 mm × 279 mm

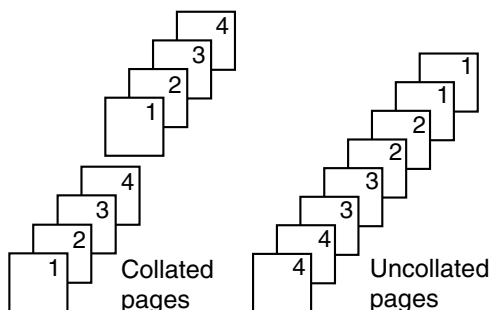
**Note:**

- If the appropriate reduction rate is not selected, the document may be divided and the top of the second sheet will be deleted.
- If the image at the bottom of the document is not copied when you copy a document that is the same length as the recording paper, try 92% or 86%.

**To collate multiple copies**

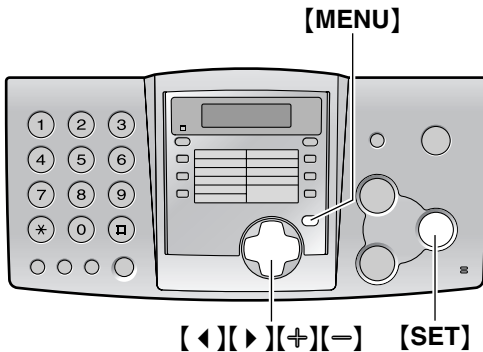
The unit can collate multiple copies in the same order as the original document pages.

1. After step 4 on page 34, press [▶] 2 times.  
“COLLATE OFF” will be displayed.
2. Press [⊕] or [⊖] repeatedly to display  
“COLLATE ON”.
3. Press [START].

**Example: Making 2 copies of a 4-page original document****Note:**

- The unit will store the documents into memory while collating the copies. If memory becomes full while storing, the unit will only print out the stored pages.
- After copying, the collating feature will turn off automatically.

### 7.1 Programming



#### 7.1.1 Programming basic features

- 1 Press **[MENU]**.
- 2 Select the feature you wish to program.  
Press **[◀]** or **[▶]** repeatedly to display the desired feature.
  - The current setting of the feature will be displayed.
- 3 Press **[+]** or **[-]** repeatedly to display the desired setting.
  - This step may be slightly different depending on the feature.
- 4 Press **[SET]**.
  - The setting you selected is set, and the next feature will be displayed.
- 5 To exit programming, press **[MENU]**.

#### 7.1.2 Programming advanced features

- 1 Press **[MENU]**.
- 2 Press **[◀]** or **[▶]** repeatedly to display "ADVANCED MODE".
- 3 Press **[SET]**.
- 4 Select the feature you wish to program.  
Press **[◀]** or **[▶]** repeatedly to display the desired feature.
  - The current setting of the feature will be displayed.
- 5 Press **[+]** or **[-]** repeatedly to display the desired setting.
  - This step may be slightly different depending on the feature.
- 6 Press **[SET]**.

- The setting you selected is set, and the next feature will be displayed.

- 7 To exit programming, press **[MENU]**.

#### Programming by entering the program code number directly

You can select a feature by directly entering the program code (# and a 2-digit number) instead of using **[◀]** or **[▶]**.

1. Press **[MENU]**.
2. Press **[#]** and the 2-digit code number (page 36 to page 39).
3. Press **[+]** or **[-]** repeatedly to display the desired setting.
4. Press **[SET]**.
5. To exit programming, press **[MENU]**.

#### To cancel programming

Press **[MENU]** to exit the program.

### 7.2 Basic features

#### Code #01: Setting the date and time

SET DATE & TIME PRESS SET
------------------------------

See page 16 for details.

#### Code #02: Setting your logo

YOUR LOGO PRESS SET
------------------------

See page 17 for details.

#### Code #03: Setting your fax number

YOUR FAX NO. PRESS SET
---------------------------

See page 18 for details.

#### Code #04: Printing a sending report

SENDING REPORT =ERROR [±]
------------------------------

To print a sending report for fax transmission results (page 24).

"ERROR" (default): A sending report will be printed only when fax transmission fails.

"ON": A sending report will be printed out after every transmission.

"OFF": Sending reports will not be printed out.

### Code #06: Changing the ring setting in FAX ONLY mode

FAX RING COUNT RINGS=2 [±]
-------------------------------

To change the number of rings before the unit answers a call in FAX ONLY mode.

You can select “2” (default), “3”, “4”, “5”, “6”, “7”, “8” or “9”.

### Code #12: Securing the remote operation for the answering machine

REMOTE TAM ACT. =OFF [±]
-----------------------------

If you are using the unit with an answering machine, activate this feature, and program the remote activation ID to secure the remote operation for the answering machine.

1. Press **[MENU]**.
2. Press **[⇐]** then **[1][2]**.
3. Press **[+]** or **[−]** to select “ON”.
4. Press **[SET]**.
5. Enter your ID from 1 to 5-digit, using 0-9, \* and #.
  - The default ID is “11”.
6. Press **[SET]**.
7. Press **[MENU]**.

### Code #13: Setting the dialling mode

DIALLING MODE =TONE [±]
----------------------------

If you cannot dial, change this setting depending on your telephone line service.

“TONE” (default): For tone dial service.

“PULSE”: For rotary pulse dial service.

### Code #17: Setting the ringer pattern

RINGER PATTERN =A [±]
--------------------------

You can select “A” (default), “B” or “C”.

## 7.3 Advanced features

### Code #22: Setting the journal report to print automatically

AUTO JOURNAL =ON [±]
-------------------------

“ON” (default): The unit will print a journal report automatically after every 30 new fax communications (page 25).

“OFF”: The unit will not print a journal report, but will keep a record of the last 30 fax communications.

### Code #23: Sending documents overseas

OVERSEAS MODE =OFF [±]
---------------------------

If you have difficulty sending an overseas fax, activate this feature before starting transmission.

- This feature is not available for broadcast transmission.
- The calling charge may be higher as the transmission speed is slowed down.

“ON”: After transmission, this feature will turn off automatically.

“OFF” (default): Deactivates this feature.

### Code #25: Sending a fax at a specific time

DELAYED SEND =OFF [±]
--------------------------

This feature allows you to take advantage of low-cost calling hours offered by your telephone company. This feature can be set up to 24 hours in advance of the desired time.

To send a document:

1. Insert the document.
2. Press **[MENU]**.
3. Press **[⇐]** then **[2][5]**.
4. Press **[+]** or **[−]** repeatedly to select “ON”.
5. Press **[SET]**.
6. Enter the fax number.
7. Press **[SET]**.
8. Enter the transmission start time.
  - Press **[\*]** to select “AM” or “PM”.
9. Press **[SET]**.
10. Press **[MENU]**.

#### Note:

- To cancel after programming, press **[STOP]** then **[SET]**.

### Code #26: Setting the Caller ID list to print automatically

AUTO CALL. LIST =ON [±]
----------------------------

“ON” (default): The unit will print the Caller ID list automatically after every 30 new calls (page 22).

“OFF”: The unit will not print the Caller ID list, but keep records of the last 30 caller information.

## 7. Programmable Features

### Code #31: Activating the Distinctive Ring feature

DISTINCTIVE RING =OFF [±]
------------------------------

See page 33 for details.

### Code #34: Setting the quick scan

QUICK SCAN =OFF [±]
------------------------

This feature is helpful when you want to remove the document for other uses, because the unit will release the document before sending or copying.

- If the document exceeds the memory capacity, sending of the whole document or copying of the exceeded document will be cancelled and this feature will be turned off automatically.

“ON”: The unit will scan the document and store it into memory first, then the unit will start sending or copying.

“OFF” (default): Deactivates this feature.

### Code #36: Receiving oversized documents

RCV REDUCTION =92% [±]
---------------------------

If the size of the document sent by the other party is as large as, or larger than the recording paper, the unit can reduce the document and print it. Select the desired reduction rate.

Setting	Recording paper size	Original document size
100%	A4	Letter
92% (default)	A4	A4
86%	A4	A4
72%	A4	Legal

### Code #39: Changing the display contrast

LCD CONTRAST =NORMAL [±]
-----------------------------

“NORMAL” (default): For normal contrast.

“DARKER”: Used when the display contrast is too light.

### Code #41: Changing the fax activation code

FAX ACTIVATION =ON [±]
---------------------------

If you use an extension telephone and wish to use it to receive a fax, activate this feature and program the activation code.

This code is also used to receive a voice message and a fax in the same call (page 31).

1. Press **[MENU]**.
2. Press **[⇐]**, then **[4][1]**.
3. Press **[+]** or **[=]** repeatedly to select “ON”.
4. Press **[SET]**.
5. Enter your code from 2 to 4 digits, using 0–9, **[\*]** and **[⇐]**.
  - The default code is “\*#9”.
6. Press **[SET]**.
7. Press **[MENU]**.

#### Note:

- Do not enter “0000”.

### Code #44: Setting the memory reception alert

RECEIVE ALERT =ON [±]
--------------------------

To alert you with a beeping sound when a received fax document is stored into memory due to some existing problem.

The slow beeps will continue until you clear the printing problem and make sure the unit is supplied with enough paper to print the stored document.

“ON” (default): You will be alerted to a reception problem by a beeping sound.

“OFF”: Deactivates this feature.

### Code #46: Setting friendly reception

FRIENDLY RCV =ON [±]
-------------------------

To receive a fax automatically when you answer a call and hear a fax calling tone (slow beep).

“ON” (default): You do not have to press

**[FAX/START]** for fax reception.

“OFF”: You have to press **[FAX/START]** for fax reception.

### Code #58: Setting the original mode

ORIGINAL =NORMAL [±]
-------------------------

To send or copy a document with faint or dark writing, set this feature before starting transmission or copying.

“NORMAL” (default): Used for normal writing.

“LIGHT”: Used for faint writing.

“DARKER”: Used for dark writing.



**Code #68: Setting the Error Correction Mode (ECM)**

ECM SELECTION =ON [±]
--------------------------

This feature is available when the transmitting/receiving fax machines are ECM compatible.

“ON” (default): To send a fax even if there is static interference on the telephone line.

“OFF”: Deactivates this feature.

- You cannot change the setting when received documents are in memory.

---

**Code #76: Setting the connecting tone**

CONNECTING TONE =ON [±]
----------------------------

If you often have trouble when sending faxes, this feature allows you to hear connecting tones; fax tone, ring back tone and busy tone. You can use these tones to confirm the status of the other party's machine.

- If the ring back tone continues, the other party's machine may not be a facsimile or may have run out of paper. Check with the other party.
- The connecting tone volume cannot be adjusted.

“ON” (default): You will hear connecting tones.

“OFF”: Deactivates this feature.

---

**Code #80: Resetting advanced features to their default settings**

SET DEFAULT RESET=NO [±]
-----------------------------

To reset the advanced features:

1. Press **[MENU]**.
2. Press **[⇐]**, then **[8][0]**.
3. Press **[+]** or **[−]** repeatedly to select “YES”.
4. Press **[SET]**.
5. Press **[SET]** again.
6. Press **[MENU]**.
  - ECM selection (feature #68, page 39) will not be reset.

### 8.1 Error messages – Reports

If a problem occurs during fax transmission or reception, one of the following communication messages will be printed on the sending and journal reports (page 24).

#### COMMUNICATION ERROR

(Code: 40-42, 46-72, FF)

- A transmission or reception error occurred. Try again or check with the other party.

#### COMMUNICATION ERROR

(Code: 43, 44)

- A line problem occurred. Connect the telephone line cord to a different jack and try again.
- An overseas transmission error occurred. Try using the overseas mode (feature #23, page 37).

#### DOCUMENT JAMMED

- The document is jammed. Remove the jammed document (page 46).

#### ERROR-NOT YOUR UNIT

(Code: 54, 59, 70)

- A transmission or reception error occurred because of a problem with the other party's fax machine. Check with the other party.

#### JUNK FAX PROH. REJECT

- The junk fax prohibitor of your fax machine rejected fax reception.

#### MEMORY FULL

- The memory is full of received documents due to a lack of recording paper or a recording paper jam. Install paper (page 13) or clear the jammed paper (page 44).

#### NO DOCUMENT

- The document was not fed into the unit properly. Re-insert the document and try again.

#### OTHER FAX NOT RESPONDING

- The other party's fax machine is busy or has run out of recording paper. Try again.
- The document was not fed properly. Re-insert the document and try again.
- The other party's fax machine rings too many times. Send the fax manually (page 24).
- The other party's machine is not a fax machine. Check with the other party.
- The number you dialed is not in service.

#### PRESSED THE STOP KEY

- **[STOP]** was pressed and fax communication was cancelled.

#### OK

- Fax communication was successful.

### 8.2 Error messages – Display

If the unit detects a problem, one or more of the following messages will appear on the display.

CALL SERVICE

- There is something wrong with the unit. Contact our service personnel.

CHECK DOCUMENT

- The document was not fed into the unit properly. Re-insert the document. If misfeeding occurs frequently, clean the document feeder rollers (page 46) and try again.
- Attempted to transmit a document longer than 600 mm. Press **[STOP]** to remove the document. Divide the document into two or more sheets and try again.

CHECK MEMORY

- The memory (telephone numbers, parameters, etc.) has been erased. Re-program.

CHECK PAPER

- The recording paper is not installed or the unit has run out of paper. Install paper and press **[START]** to clear the message.
- The recording paper was not fed into the unit properly (page 45). Reinstall paper (page 13) and press **[START]** to clear the message.
- The recording paper has jammed near the recording paper entrance. Clear the jammed paper (page 44) and press **[START]** to clear the message.

COVER OPEN

- The back cover is open. Close it.

DIRECTORY FULL

- There is no space to store new entries in navigator directory. Erase unnecessary entries (page 21).

## FAX IN MEMORY

- The unit has a document in memory. See the other displayed message instructions to print out the document.

## FAX MEMORY FULL

- The memory is full of received documents due to a lack of recording paper or a recording paper jam. Install paper (page 13) or clear the jammed paper (page 44).
- When performing memory transmission, the document being stored exceeded the memory capacity of the unit. Transmit the entire document manually.

## FILM EMPTY

- The film is empty. Replace the film with a new one (page 12).
- The ink film is slack. Tighten it (page 11) and install again.
- The fax machine is positioned near appliances such as TVs or speakers which generate an intense magnetic field.

## FILM NEAR EMPTY

- The remaining film is low. Prepare a new film (page 9).

## MEMORY FULL

- When making a copy, the document being stored exceeded the memory capacity of the unit. Press **[STOP]** to clear the message. Divide the document into sections.

## MODEM ERROR

- There is something wrong with the modem circuit. Contact our service personnel.

## NO FAX REPLY

- The other party's fax machine is busy or has run out of recording paper. Try again.

OPEN CABINET  
CHECK FILM SLACKOPEN CABINET  
CHECK FILM TYPE

- The ink film is empty. Replace the ink film with a new one (page 12).

- The ink film is not installed. Install it (page 11).
- The ink film is slack. Tighten it (page 11).
- The fax machine is positioned near appliances such as TVs or speakers which generate an intense magnetic field.

## PAPER JAMMED

- A recording paper jam occurred. Clear the jammed paper (page 44).

## PLEASE WAIT

- The unit is checking that there is no slack or crease on the ink film. Wait for a moment while the check is completed.

## POLLING ERROR

- The other party's fax machine does not offer the polling function. Check with the other party.

## REDIAL TIME OUT

- The other party's fax machine is busy or has run out of recording paper. Try again.

## REMOVE DOCUMENT

- The document is jammed. Remove the jammed document (page 46).

## TRANSMIT ERROR

- A transmission error occurred. Try again.

## UNIT OVERHEATED

- The unit is too hot. Let the unit cool down.

## 8.3 When a function does not work, check here

### 8.3.1 General

#### I cannot make and receive calls.

- The power cord or telephone line cord is not connected. Check the connections.
- If you used a splitter to connect the unit, remove the splitter and connect the unit to the wall jack directly. If the unit operates properly, check the splitter.

---

### **I cannot make calls.**

- The dialling mode setting may be wrong. Change the setting of feature #13 (page 37).

---

### **The unit does not work.**

- Disconnect the unit from the telephone line and connect the line to a known working telephone. If the working telephone operates properly, contact our service personnel to have the unit repaired. If the working telephone does not operate properly, contact your telephone company.

---

### **The unit does not ring.**

- The ringer volume is turned off. Adjust it (page 15).

---

### **The unit displays “CHECK PAPER” though the paper is inserted.**

- The paper is inserted halfway. Insert it correctly (page 13) and press **[START]** to clear the message.

---

### **The other party complains they only hear a fax tone and cannot talk.**

- FAX ONLY mode is set. Tell the other party the number is only used for faxes.
- Change to TEL mode by pressing **[RECEIVE MODE]**.

---

### **The **[REDIAL/PAUSE]** button does not function properly.**

- If this button is pressed during dialling, a pause will be inserted. If pressed immediately after a dial tone is obtained, the last number dialled will be redialled.

---

### **The receiving mode does not function properly.**

- The Distinctive Ring is set (feature #31, page 33).

---

### **The ink film runs out quickly.**

- The help printing function, copy function, and reports also use ink film.

## 8.3.2 Fax – sending

---

### **I cannot send documents.**

- The telephone line cord is connected to the EXT jack on the unit. Connect to the LINE jack (page 14).
- The other party's fax machine is busy or has run out of recording paper. Try again.
- The other party's machine is not a fax machine. Check with the other party.

- The other party's fax machine rings too many times. Send the fax manually (page 24).

---

### **The other party complains that letters on their received document are distorted or not clear.**

- If your line has special telephone services such as call waiting, the service may have been activated during fax transmission. Connect the unit to a line that does not have these services.
- An extension telephone on the same line is off the hook. Hang up the extension telephone and try again.
- Try copying the document. If the copied image is clear, there may be something wrong with the other party's machine.

---

### **The other party complains that smudges or black lines appear on their received document.**

- The glass or rollers are dirty. Clean them (page 46).

---

### **I cannot send a fax overseas.**

- Use the overseas transmission mode of feature #23 (page 37).
- Add two pauses at the end of the telephone number or dial manually.

## 8.3.3 Fax – receiving

---

### **I cannot receive documents.**

- The telephone line cord is connected to the EXT jack on the unit. Connect to the LINE jack (page 14).

---

### **I cannot receive documents automatically.**

- The receiving mode is set to TEL mode. Set to FAX ONLY mode by pressing **[RECEIVE MODE]**.
- The time taken to answer the call is too long. Decrease the number of rings in feature #06 (page 37).

---

### **The display shows “CONNECTING . . . . .”, but faxes are not received.**

- The incoming call is not a fax. Change the receiving mode to TEL mode by pressing **[RECEIVE MODE]**.

---

### **A blank sheet is ejected.**

- If a blank sheet is ejected after the received document is printed out, the receiving reduction rate is not programmed correctly.

Program the proper rate in feature #36 (page 38).

- The other party placed the document in their fax machine the wrong way. Check with the other party.

---

#### **A white line or a smudge appears on your recording paper.**

- The glass or rollers are dirty. Clean them (page 46).

---

#### **The printing quality is poor.**

Please do not reuse the ink film!

Please use genuine Panasonic replacement film. Refer to page 9 for further details.

- The other party sent a faint document. Ask them to send a clearer copy of the document.
- The thermal head is dirty. Clean it (page 47).
- Some paper has instructions recommending which side to print on. Try turning the paper over.
- You may have used paper with a cotton and/or fibre content that is over 20%, such as letterhead or resume paper.

---

#### **The other party complains that they cannot send a document.**

- The unit is not in FAX ONLY mode. Press **[RECEIVE MODE]** repeatedly until FAX ONLY mode is displayed.
- The memory is full of received documents due to a lack of recording paper or a recording paper jam. Install paper (page 13) or clear the jammed paper (page 44).

---

#### **I cannot select the desired receiving mode.**

- If you want to set FAX ONLY mode, press **[RECEIVE MODE]** repeatedly until FAX ONLY mode is displayed.
- If you want to set TEL mode, press **[RECEIVE MODE]** repeatedly until TEL mode is displayed.
- The Distinctive Ring of feature #31 is activated (page 33).

### **8.3.4 Copying**

---

#### **The unit will not make a copy.**

- You cannot make a copy during programming. Make the copy after programming.
- You cannot make a copy during telephone conversation.

---

#### **A black line, a white line or smudge appears on the copied document.**

- The glass or rollers are dirty. Clean them (page 46).

---

#### **The copied image is distorted.**

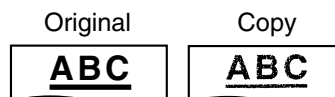
- The thermal head is dirty. Clean it (page 47).

---

#### **The printing quality is poor.**

Please do not reuse the ink film!

Please use genuine Panasonic replacement film. Refer to page 9 for further details.



- Some paper has instructions recommending which side to print on. Try turning the paper over.
- You may have used paper with a cotton and/or fibre content that is over 20%, such as letterhead or resume paper.

- Panasonic Australia operates a toll free Customer Care Centre. Please call 132600 for assistance.  
or visit the website [www.panasonic.com.au](http://www.panasonic.com.au)

### **8.3.5 If a power failure occurs**

- The unit will not function.
- The unit is not designed for making emergency telephone calls when the power fails. Alternative arrangements should be made for access to emergency services.
- Fax transmission and reception will be interrupted.
- If delayed transmission (feature #25, page 37) is programmed and the start time is passed during a power failure, transmission will be attempted soon after power is restored.
- If any fax documents are stored in the memory, they will be lost. When power is restored, a power down report will be printed out stating which contents in the memory have been erased.

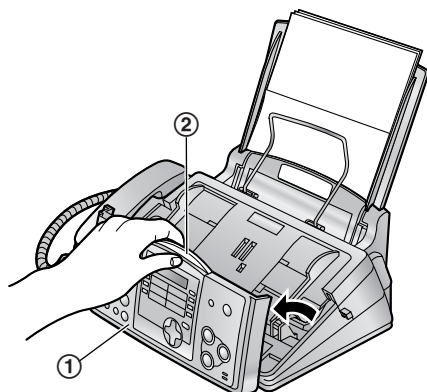
## 8.4 Recording paper jam

### 8.4.1 When the recording paper has jammed in the unit

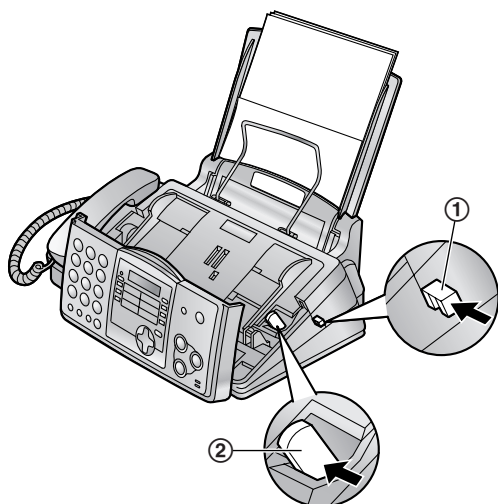
The display will show the following.

PAPER JAMMED

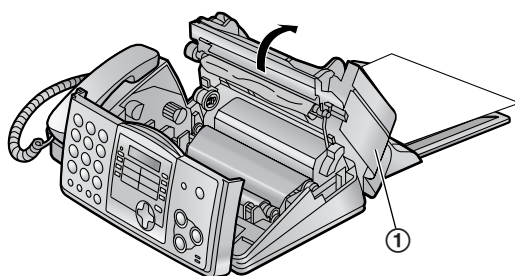
- 1 Open the front cover (①) by pulling up the centre part (②).



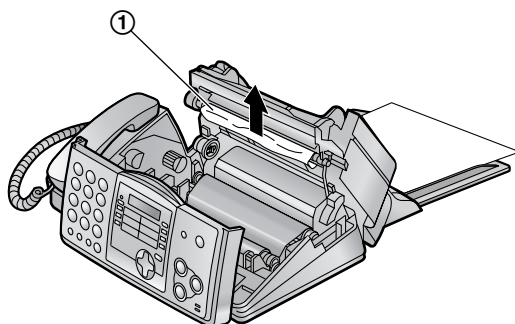
- 2 Release the back cover by pushing the green button (①) on the right side of the unit.  
OR  
Release the back cover by pushing the green lever (②) in the unit.



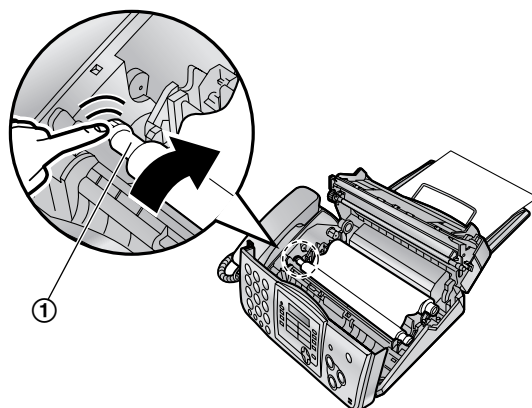
- 3 Open the back cover (①).



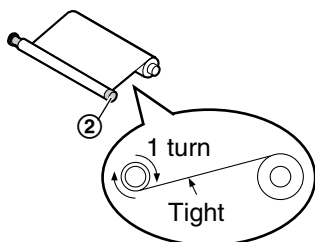
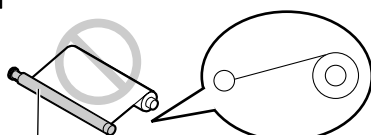
- 4 Remove the jammed recording paper (①).



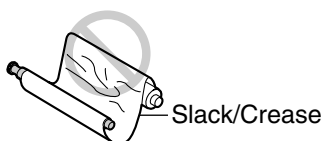
- 5 Turn the gear with the blue core (①) in the direction of the arrow.



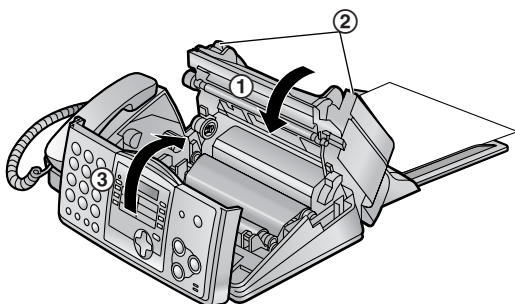
- Make sure that the ink film is wrapped around the blue core (②) at least once.

**Correct****Incorrect**

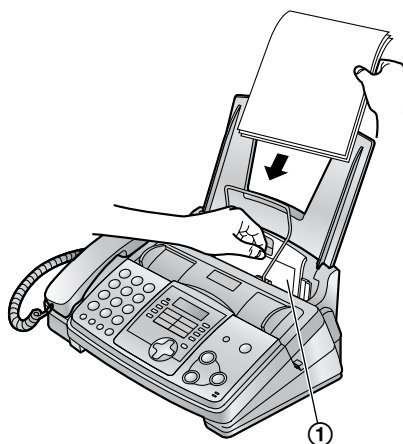
The ink film is not wrapped around the blue core.



- 6** First close the back cover securely (①) by pushing down on the dotted area at both ends (②). Then close the front cover securely (③).



- 7** Remove the recording paper and straighten. Pull the tension plate forward (①) and hold open while inserting the paper.

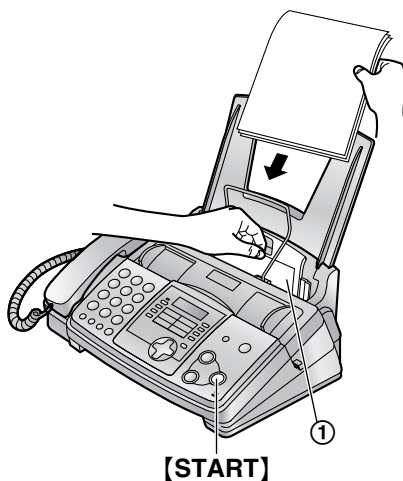


### 8.4.2 When the recording paper was not fed into the unit properly

The display will show the following.

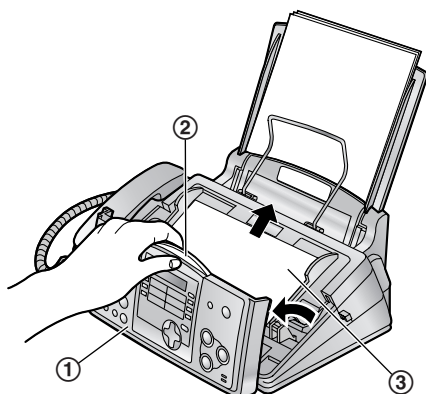
CHECK PAPER

Remove the recording paper and straighten. Pull the tension plate (①) forward and hold open while inserting paper. Press **[START]** to clear the message.

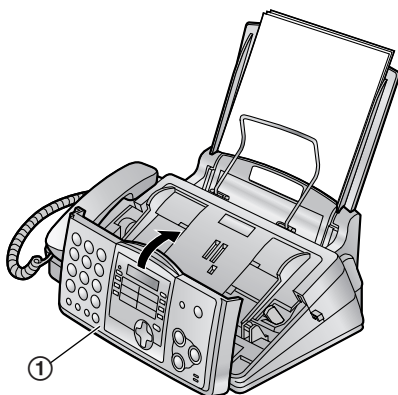


### 8.5 Document jams – sending

- 1 Open the front cover (①) by pulling up the centre part (②). Remove the jammed document carefully (③).



- 2 Close the front cover securely (①).



#### Note:

- Do not pull out the jammed paper forcibly before opening the front cover.

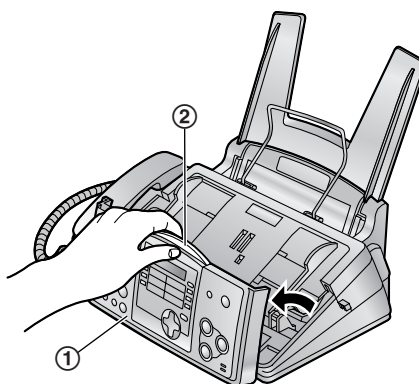


### 8.6 Document feeder cleaning

Clean the document feeder in the following cases:

- If misfeeding of the document occurs frequently.
- If smudges or black/white lines appear on the original document when transmitting or copying.

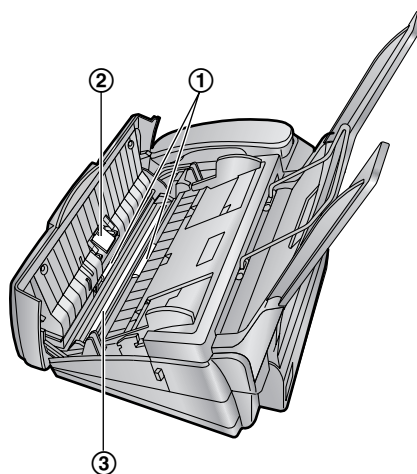
- 1 Disconnect the power cord and the telephone line cord.
- 2 Open the front cover (①) by pulling up the centre part (②).



- 3 Clean the document feeder rollers (①) and rubber flap (②) with a cloth moistened with isopropyl rubbing alcohol, and let all parts dry thoroughly. Clean the glass (③) with a soft, dry cloth.

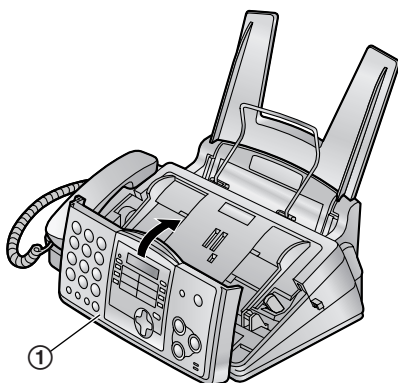
#### Caution:

- Do not use paper products, such as paper towels or tissues.



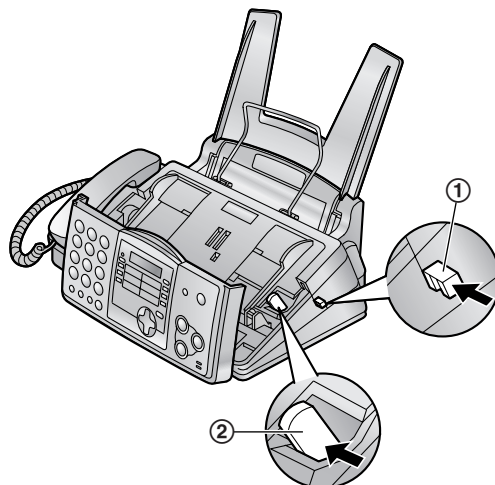


- 4 Close the front cover securely (①).



- 5 Connect the power cord and the telephone line cord.

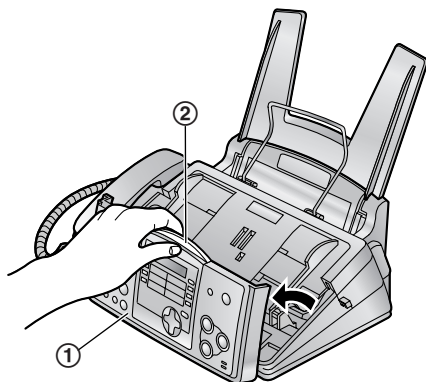
Release the back cover by pushing the green lever (②) in the unit.



## 8.7 Thermal head cleaning

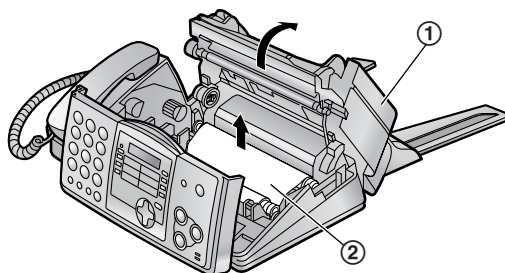
If smudges or black/white lines appear on a copied/received document, check whether there is dust on the thermal head. Clean the thermal head to remove the dust.

- 1 Disconnect the power cord and the telephone line cord.
- 2 Open the front cover (①) by pulling up the centre part (②).



- 3 Release the back cover by pushing the green button (①) on the right side of the unit.  
OR

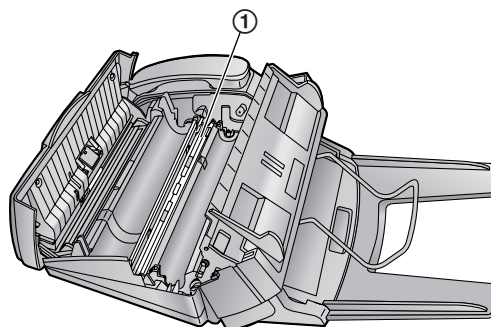
- 4 Open the back cover (①). Remove the ink film (②).



- 5 Clean the thermal head (①) with a cloth moistened with isopropyl rubbing alcohol, and let it dry thoroughly.

### Caution:

- To prevent a malfunction due to static electricity, do not use a dry cloth and do not touch the thermal head directly.



- 6 Reinstall the ink film and close the covers (see step 4 to 6 on page 11).

- 7** Connect the power cord and the telephone line cord.

## 9.1 Reference lists and reports

You can print out the following lists and reports for your reference.

### Setup list:

provides you with the current settings of the basic and advanced programming features (page 36 to page 39).

### Telephone number list:

provides you with names and numbers which are stored in the one-touch dial and navigator directory.

### Journal report:

keeps records of fax transmission and reception. This report will be printed automatically after every 30 fax communications (feature #22, page 37).

### Printer test:

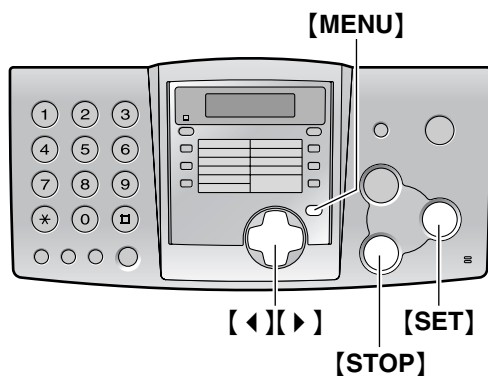
allows you to check the print quality of your unit. If the test print has a smudge, or blurred points or lines, clean the thermal head (page 47).

### Broadcast programming list:

provides you with names and numbers which are stored in the broadcast memory (page 26).

### Caller ID list:

keeps records of the last 30 callers after subscribing to a Caller ID service. This report will be printed automatically after every 30 callers (feature #26 on page 37).



- 1 Press **[MENU]** repeatedly to display "PRINT REPORT".
- 2 Press **[<]** or **[>]** repeatedly to display the desired item.
- 3 Press **[SET]** to start printing.
  - To stop printing, press **[STOP]**.
- 4 Press **[MENU]**.

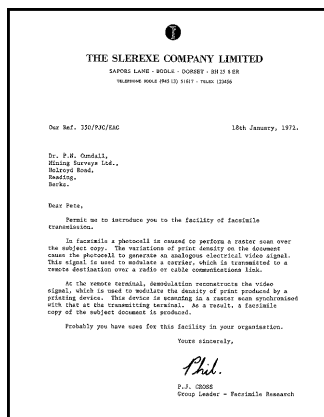
### 9.2 Technical data about this product

<b>Applicable lines:</b>	Public Switched Telephone Network
<b>Document size:</b>	Max. 216 mm in width, Max. 600 mm in length
<b>Effective scanning width:</b>	208 mm
<b>Effective printing width:</b>	202 mm
<b>Transmission time<sup>*1</sup>:</b>	Approx. 12 s/page (ECM–MMR) <sup>*2</sup>
<b>Scanning density:</b>	Horizontal: 8 pels/mm Vertical: 3.85 lines/mm – in standard resolution, 7.7 lines/mm – in fine/photo resolution, 15.4 lines/mm – in super fine resolution
<b>Photo resolution:</b>	64-level
<b>Scanner type:</b>	Contact Image Sensor
<b>Printer type:</b>	Thermal Transfer on plain paper
<b>Data compression system:</b>	Modified Huffman (MH), Modified READ (MR), Modified Modified READ (MMR)
<b>Modem speed:</b>	9,600 / 7,200 / 4,800 / 2,400 bps; Automatic Fallback
<b>Operating environment:</b>	5°C–35°C, 20%–80% RH (Relative Humidity)
<b>Dimensions:</b>	Approx. height 185 mm × width 355 mm × depth 275 mm
<b>Mass (Weight):</b>	Approx. 3.4 kg
<b>Power consumption:</b>	Standby: Approx. 4.0 W Transmission: Approx. 12 W Reception: Approx. 40 W (When receiving a 20% black document) Copy: Approx. 55 W (When copying a 20% black document) Maximum: Approx. 135 W (When copying a 100% black document)
<b>Power supply:</b>	220–240 V AC, 50/60 Hz
<b>Fax memory capacity:</b>	Approx. 25 pages of memory transmission Approx. 28 pages of memory reception (Based on the ITU-T No. 1 Test Chart in standard resolution, without using the Error Correction Mode.)

<sup>\*1</sup> Transmission speed depends upon the contents of the pages, resolution, telephone line conditions and capability of the other party's machine.

<sup>\*2</sup> Transmission speed is based upon the ITU-T No. 1 Test Chart. If the capability of the other party's machine is inferior to your unit, the transmission time may be longer.

#### ITU-T No. 1 Test Chart



### Paper specifications

Recording paper size: A4: 210 mm × 297 mm  
Recording paper weight: 60 g/m<sup>2</sup> to 90 g/m<sup>2</sup>

---

### Note for recording paper:

- Do not use the following types of paper:
  - Paper with a cotton and/or fibre content that is over 20%, such as letterhead paper or paper used for resumes
  - Extremely smooth or shiny paper, or paper that is highly textured
  - Coated, damaged or wrinkled paper
  - Paper with foreign objects attached, such as tabs or staples
  - Paper which has dust, lint or oil stains
  - Paper that will melt, vaporize, discolour, scorch or emit dangerous fumes near 200°C, such as vellum paper. These materials may transfer onto the fusing roller and cause damage.
  - Moist paper
- Some paper only accepts print on one side. Try using the other side of the paper if you are not happy with the print quality or if misfeeding occurs.
- For proper paper feeding and best print quality, we recommend using long-grained paper.
- Do not use paper of different types or thickness at the same time. This may cause a paper jam.
- Avoid double-sided printing.
- Do not use paper printed from this unit for double-sided printing with other copiers or printers. This may cause a paper jam.
- To avoid curling, do not open paper packs until you are ready to use the paper. Store unused paper in the original packaging, in a cool and dry location.

### Note:

- Any details given in these instructions are subject to change without notice.
- The pictures and illustrations in these instructions may vary slightly from the actual product.

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**Panasonic Communications Co., Ltd.**

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